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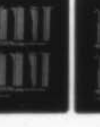
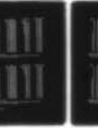
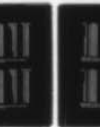
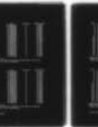
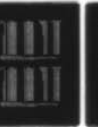
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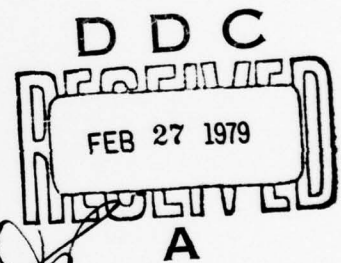


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THESIS

Improved Confidence Intervals for
the Ratio of the Variances and
Standard Deviations from Two
Normal Populations

by

Jeffrey Warren Clouse

December 1978

Thesis Advisor:

Robert R. Read

Approved for public release; distribution unlimited

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Characteristics and improved performance of the alternative confidence intervals are discussed in detail and illustrated graphically, with an emphasis on the optimal distribution of complementary tail area between the upper and lower tails.

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Improved Confidence Intervals for the Ratio
of the Variances and Standard Deviations
from Two Normal Populations

by

Jeffrey Warren Clouse
Captain, United States Army
B.S., Ohio State University, 1972

Submitted in partial fulfillment of the
requirements for the degree of

MASTER OF SCIENCE IN OPERATIONS RESEARCH

from the

NAVAL POSTGRADUATE SCHOOL
December 1978

Author

Jeffrey Warren Clouse

Approved by:

R. R. Emswiler

Thesis Advisor

H. J. Farnum

Second Reader

Michael D. Forevers

Chairman, Department of Operations Research

A. H. Hradsky

Dean of Information and Policy Sciences

ABSTRACT

Shortest confidence intervals for the ratio of two variances of normal populations are found as superior alternatives to the widely used equal tail confidence intervals. Extensive tables of high precision are presented which enable the user to easily construct shortest confidence intervals for the ratio of two variances, the ratio of two standard deviations and the shortest unbiased confidence interval for the ratio of two variances. Characteristics and improved performance of the alternative confidence intervals are discussed in detail and illustrated graphically, with an emphasis on the optimal distribution of complementary tail area between the upper and lower tails.

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I. INTRODUCTION

A. PURPOSE

The purpose of this thesis is to provide tables to facilitate the construction of optimal confidence intervals for the ratio of the variances of random samples drawn from two independent normal populations. This thesis also discusses the characteristics of these intervals. The discussion is restricted to the classes of confidence intervals which are computed from the sums of the squared deviations of the observations from their means.

Scheffé [2] studied analytic properties of this question in 1942. This thesis is an application-oriented extension of his work.

B. BACKGROUND

The classical method of constructing confidence intervals for the ratio of two variances from normal populations consists of splitting the tails of the appropriate F distribution evenly. One might conjecture that this method has survived through time because of the availability of published F distribution tables, the simplicity of its computation and its resemblance to other evenly split tail schemes. Indeed, when the degrees of freedom of the F distribution are sufficiently large, the classical method yields adequate results for most applications. When the degrees of freedom are small, however, this method results in confidence intervals which are much larger than is necessary.

This thesis describes three classes of confidence intervals which are shorter than the classical ones. Characteristics associated with the shortest intervals are examined in detail and illustrated graphically.

C. IMPROVED CONFIDENCE INTERVALS

Three notions of optimality are treated herein; minimum length for the ratio of variances, minimum length for the ratio of standard deviations and shortest unbiased confidence intervals which Scheffé has shown to be the same criterion as the minimum of the logarithm of the ratio of the variances. These choices are natural, but arbitrary. Other choices could be made also. It is reasonable to assume, however, that the practitioner will prefer a shorter interval to a longer one, and that he will prefer an unbiased one. This thesis concerns itself with finding and recording values with which these classes of optimal confidence intervals can be constructed.

D. CONTENTS OF THESIS

This thesis is divided into four sections. Section I is the introduction. Section II contains the discussion of the statistical statement of the problem and the mathematical solution to it. Section III discusses the accuracy of the tabled values found in Appendix A. These values are the solutions to the optimal length confidence interval problem. Section IV contains conclusions on properties of these intervals along with guidelines for practitioners in applying them.

There are also three appendices. Appendix A contains the tabled values which can be used to construct the shortest length confidence intervals. Appendix B contains graphs of situations illustrating various properties of the criteria chosen. Finally, Appendix C contains the algorithm and the mathematical derivations used in computing the optimal values tabled in Appendix A.

II. DISCUSSION OF LOGIC AND METHODOLOGY

A. MINIMUM LENGTH CONFIDENCE INTERVALS FOR THE RATIO OF TWO VARIANCES AND TWO STANDARD DEVIATIONS

Assume that $\{X_1, X_2, \dots, X_{M+1}\}$ and $\{Y_1, Y_2, \dots, Y_{N+1}\}$ are two independent random samples from normal populations. The number of observations in each sample is $M+1$ and $N+1$ respectively.

Let γ be an arbitrary level of confidence. It is bounded below by 0 and above by 1. S_{XX} and S_{YY} are defined as

$$S_{XX} = \sum_{i=1}^{M+1} (X_i - \bar{X})^2$$

$$S_{YY} = \sum_{i=1}^{N+1} (Y_i - \bar{Y})^2$$

where

$$\bar{X} = \frac{\sum_{i=1}^{M+1} X_i}{M+1} \quad \text{and} \quad \bar{Y} = \frac{\sum_{i=1}^{N+1} Y_i}{N+1}$$

are the sample means. Let

$$s_x^2 = \frac{S_{XX}}{M} \quad \text{and} \quad s_y^2 = \frac{S_{YY}}{N}$$

Under these assumptions, it is well known that the statistic

$$\frac{s_x^2 / \sigma_x^2}{s_y^2 / \sigma_y^2}$$

is an 'F' random variable with M and N degrees of freedom.¹

To construct a confidence interval for σ_y^2 / σ_x^2 , two numbers C1 and C2 are chosen such that

$$\int_{C1}^{C2} h_{M,N}(x) dx = \gamma$$

where $h_{M,N}(x)$ is the F probability density function. Once these values are selected, they are substituted into the probability statement

$$P(C1 \leq \frac{s_x^2}{\sigma_x^2} / \frac{s_y^2}{\sigma_y^2} \leq C2) = \gamma$$

Manipulating through algebra within the parenthesis, one obtains

$$P(\frac{s_y^2}{s_x^2} \cdot C1 \leq \frac{\sigma_y^2}{\sigma_x^2} \leq \frac{s_y^2}{s_x^2} \cdot C2) = \gamma$$

This expression yields the desired confidence interval

$$(\frac{s_y^2}{s_x^2} C1, \frac{s_y^2}{s_x^2} C2) \text{ with length } \frac{s_y^2}{s_x^2} (C2 - C1).$$

¹If the population means are known and are used in S_{XX} and S_{YY} , the degrees of freedom are M+1 and N+1.

As stated previously, C_1 and C_2 have historically been chosen such that

$$\int_0^{C_1} h_{M,N}(x)dx = \int_{C_2}^{\infty} h_{M,N}(x)dx = \frac{1-\gamma}{2}$$

This, of course, is the evenly split tails convention. It can be shown, however, that this method does not yield the optimal confidence interval.

The problem of finding the minimum length confidence interval is solved by applying a mathematical technique from the field of nonlinear programming. In essence, this nonlinear problem is

$$\text{MINIMIZE: } \frac{s_y^2}{s_x^2} (C_2 - C_1)$$

$$\text{Subject to: } \int_0^{C_1} h_{M,N}(x)dx + \int_{C_2}^{\infty} h_{M,N}(x)dx = 1 - \gamma$$

It is noted that the problem above is in reality a single variable line search. This becomes apparent when one chooses a value for C_1 , for then the value of C_2 is fixed by the constraint. Thus, C_1 is selected to serve as the independent decision variable. A single variable line search is then conducted over the interval $(0, H_{M,N}^{-1}(1-\gamma))$ where $H_{M,N}^{-1}(1-\gamma)$ is the inverse F distribution with M and N degrees of freedom. As C_1 varies over this interval, C_2 varies from $H_{M,N}^{-1}(\gamma)$ to infinity. By searching C_1 's interval, various pairs of (C_1, C_2) are obtained and used in

evaluating the derivative of the objective function. Where the derivative is zero, the objective function is minimized and the optimal values for $C1$ and $C2$ are then known.

When the criteria for optimality is changed from the ratio of variances to the ratio of standard deviations, the line search problem is the same as the ratio of variances except the objective function then has square roots in it. In other words, the problem is

$$\text{MINIMIZE: } \sqrt{\frac{s_y^2}{s_x^2}} (\sqrt{C2} - \sqrt{C1})$$

$$\text{Subject to: } \int_0^{C1} h_{M,N}(x)dx + \int_{C2}^{\infty} h_{M,N}(x)dx = 1 - \gamma.$$

The logic and methodology in the above problem are the same as those in the ratio of variances and hence are omitted here.

A result of Scheffé [2] shows that reparameterizing with a logarithmic transformation and minimizing the length produces the shortest unbiased confidence interval for the ratio of two variances. The term "unbiased" as used here refers to Neyman's [1] notion of unbiasedness. Hence, in the context of this thesis, the unbiased nonlinear problem becomes

$$\text{MINIMIZE: } \log \left[\frac{C2}{C1} \right]$$

$$\text{Subject to: } \int_0^{C1} h_{M,N}(x)dx + \int_{C2}^{\infty} h_{M,N}(x)dx = 1 - \gamma.$$

Again, as in the case of the minimum length confidence intervals for the ratio of two variances and the ratio of two standard deviations, the logic and methodology are the same, hence, again are omitted.

B. SUMMARY

This thesis contains the values necessary to construct the optimal confidence interval for the three parameterizations:

1) The ratio of two variances; 2) The ratio of two standard deviations and 3) The logarithm of the ratio of two variances.

These values were obtained as solutions to the three nonlinear programming problems:

$$(1) \text{ MINIMIZE: } C2 - C1$$

$$\text{Subject to: } \int_0^{C1} h_{M,N}(x)dx + \int_{C2}^{\infty} h_{M,N}(x)dx = 1 - \gamma$$

$$(2) \text{ MINIMIZE: } \sqrt{C2} - \sqrt{C1}$$

$$\text{Subject to: } \int_0^{C1} h_{M,N}(x)dx + \int_{C2}^{\infty} h_{M,N}(x)dx = 1 - \gamma$$

$$(3) \text{ MINIMIZE: } \log \left[\frac{C2}{C1} \right]$$

$$\text{Subject to: } \int_0^{C1} h_{M,N}(x)dx + \int_{C2}^{\infty} h_{M,N}(x)dx = 1 - \gamma$$

As a final note, the statistic $\frac{s_y^2}{s_x^2}$ was dropped from the objective functions. This quantity is a random variable, and although its value influences the length in a multiplicative way, it can not be altered and has no role in the optimization process.

III. DISCUSSION OF ACCURACY

The precision of the tabled values is rather variable. After much study, it was decided to print the values of C1 and C2 to six decimal places. This decision was reached only after all available information had been considered and evaluated carefully. The net result of this deliberating is an earnest belief that at least six significant digits are valid throughout. Since all values for C1 are less than one, and all values for C2 are greater than one, any inaccuracies of the printed values occur in C2. The supporting information follows.

The values in Appendix A were found from an optimizing algorithm which utilized four subroutines from the International Mathematical and Scientific Library. The routines were MDFDRE (the F probability distribution), MDIFI (the inverse F probability distribution), MDBETI (the inverse incomplete beta distribution) and MDBETA (the incomplete beta probability distribution). These routines, as well as the optimizing algorithm, were programmed in double precision FORTRAN computer code which theoretically allowed for sixteen digit accuracy. These codes were executed on the IBM 360/67 computer located at the Naval Postgraduate School, Monterey, California.

The key to precise, accurate values from these programs was found in the incomplete beta probability distribution routine, for the other three routines called it for their primary values which they then transformed into the numbers they supplied to the optimizing algorithm. The incomplete beta probability

distribution routine was based upon Algorithm 179, the Incomplete Beta Ratio, of the Association for Computing Machinery. Tests which were independent of this thesis effort revealed that this algorithm had given accurate results to at least nine decimal places when compared to published values of the incomplete beta distribution.

Another check of the values supplied by the IMSL routines was conducted by first using the inverse F probability distribution program to find points which corresponded to a given probability. The F probability distribution program was then given these values in order to confirm the probabilities. Over 250 such tests were conducted with the known probabilities being reproduced accurately to eight decimal places. A wide range of points which were produced in this test were also fed into an independent F probability distribution program which was in the computer language of APL. These points again produced the known probabilities to within eight decimal place accuracy. By experimenting with these points, i.e., deleting the last digit from them and refeeding them into the APL program, results were obtained which implied that the points were good to at least six decimal places.

Finally, it was decided to check the values in Appendix A by comparing them to alternate solutions found from another optimizing algorithm. When a wide range of the published values of this thesis were compared to solutions found from the other algorithm which utilized the same routines, ten points out of

190 disagreed with each other and this occurred in the fifth decimal place of C2. These disagreements occurred repeatedly when the degrees of freedom were disproportionate, the first being much larger than the second (i.e., (9,1), (10,1), (25,1), (50,6), (60,7), etc.). Additional experimentation revealed that the discrepancies in C2 were caused by the nearly horizontal curve that the F cumulative distribution function assumed at high levels of probability. However, when the published values and their alternatives were tested in the independent, APL computer program of the F probability distribution, it was found that the published values satisfied the probability integral constraint better and gave a smaller confidence interval length.

In conclusion, for convenience of printing, it was decided to fix the values found in this thesis at six decimal places. This decision was not arrived at easily, but only after many hours of study, deliberation and computer usage. This decision was based upon the accuracy of the incomplete beta probability distribution subroutine, the demonstrated preciseness of the other subroutines and the high satisfaction of the probability constraint by the published values. Although discrepancies in C2 were found in about 5% of the cases checked, they occur only in the last two decimal places of eight or more digit numbers, and do not affect the probability statements or the length of the confidence interval in any noticeable way.

IV. CONCLUSIONS

A. OPTIMAL LENGTH CONFIDENCE INTERVALS

Minimum length confidence intervals offer a significant reduction in interval length over the classical intervals which are obtained by splitting the tails evenly. The amount of reduction obtained is a function of the degrees of freedom of the F probability distribution. Examination of the published values for the minimum length confidence intervals reveals that if M is fixed at 1 or 2, essentially all of the alpha level probability ($\alpha = 1 - \gamma$), has to be placed in the upper tail, thus giving confidence intervals with lengths that are two to six times smaller than the lengths of the split tail intervals. When the first degree of freedom is larger than 2, however, the reduction in length becomes more dependent upon the second degree of freedom, N. This principle is illustrated in Figures 2 and 3. Figure 2 shows that if N is fixed, the savings in interval length is a slowly decreasing function with a relatively limited range. Figure 3 shows that if N varies, then the reduction ratio is a sharply increasing function which ranges roughly from 1.1 to 2. It should also be pointed out that after both degrees of freedom become larger than 10, the lengths of the shortest confidence intervals are very close to the lengths of the traditional ones.

Another trend which is observed in the minimum length confidence intervals is the distribution of the tail area of the

appropriate F probability distribution. The general principle is that the upper (or right-hand) tail is always heavily favored with probability over the lower (or left-hand) tail. As is true of reduction in interval length, the distribution of tail area is dependent upon both degrees of freedom. When the first degree of freedom is fixed at 1 or 2, again almost all of the tail area has to go into the upper tail. When M is larger than 2, the tail area is redistributed as a function of N. In other words, with M larger than 2, the amount of probability in the lower tail increases as N increases. An example of this effect is shown in Figure 4. Again, after the degrees of freedom are simultaneously larger than 10 (although the upper tail is still favored heavily over the lower tail), the amount of length reduction is relatively small.

A close study of the published values for the confidence intervals of the ratio of two standard deviations reveals that the same principles noted in the discussion above also applies to them. Figures 5, 6 and 7 illustrate this fact. Because of this repetition, further discussion of these intervals is omitted.

The shortest unbiased confidence intervals do not offer a significant reduction in interval length when compared to either the equal tail intervals or the minimum length intervals. However, the unbiased intervals are unbiased; a claim which neither of the other two classes of intervals can make.

There are two general principles one should note about these shortest unbiased intervals. First, the reduction in the

logarithms of their length as compared to the classical ones depends upon the values of the degrees of freedom, M and N . If M is greater than N , the reduction ratio is always greater than 1. As the value of N approaches that of M , the reduction ratio approaches the value of 1. When M equals N , the shortest unbiased interval is the classical equal tails interval. This result is attributed to Scheffé [2]. When N is larger than M , the reduction ratio increases toward an upper limit of approximately 1.1.

Second, the distribution of tail area of the appropriate F distribution also depends upon the values of M and N . If M is greater than N , the upper tail is favored with more area. If M is less than N , the lower tail has more area. Of course, if M equals N , neither tail is favored over the other which implies equal tail area.

B. GENERAL

Three classes of confidence intervals for the ratio of two variances have been discussed in this thesis. The class that the practitioner chooses to use will depend upon his value judgments concerning the trade-off between interval length and biasedness. The minimum length confidence intervals are highly biased in favor of higher false values of the parameter. The unbiased confidence intervals have the shortest length for the logarithm of the ratio of the variances. However, when these confidence intervals are converted to the confidence intervals for the ratio of the variances, they have greater length than the minimum length

intervals. The equal tails intervals have greater length than the minimum length intervals and are biased (but slightly) in favor of higher false values of the parameter. Figure 1 illustrates the power functions which result from converting the classes of confidence intervals discussed into their equivalent tests of hypothesis. In conclusion, the practitioner must decide which of the two factors -- power or interval length -- is more important to him and use the appropriate table values.

APPENDIX A

The following tables are the principle objective and result of this thesis. Seven levels of confidence are addressed -- .8, .9, .95, .975, .99, .995, .999 -- for the sets of degrees of freedom one through ten (by ones), twelve through twenty (by twos) and twenty-five through sixty (by fives). For each level of confidence, three tables appear; one for the minimum length confidence interval for the ratio of the variances, one for the minimum length confidence interval for the ratio of the standard deviations and a third for the shortest unbiased confidence interval.

Each table has five headings. "DF" means the degrees of freedom. The first number listed is the first degree of freedom (M) and is printed only at the beginning of each table. The second integer found is the second degree of freedom (N). N is printed for every row in the table. The columns labeled "C-1" and "C-2" contain the values which are solutions to the optimal length confidence interval problem. The column labeled "A-2/A-1" is the ratio of upper tail area to lower. The column labeled "Reduction" is the value of the ratio of the classical interval length to the shortest interval length. Minimum length confidence intervals are labeled as "coefficients" because in reality they must be multiplied by the test statistic, s_y^2/s_x^2 , to produce the true confidence interval length.

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	.472136	*	4.206
2	0.0	.555556	*	2.392
3	0.0	.682207	*	2.058
4	0.0	.350721	*	.626
5	0.0	.178234	*	.856
6	0.0	.072897	*	.813
7	0.0	.002010	*	.784
8	0.0	.951093	*	.764
9	0.0	.912768	*	.748
10	0.0	.882888	*	.736
11	0.0	.839325	*	.718
12	0.0	.809107	*	.706
13	0.0	.786920	*	.697
14	0.0	.769940	*	.690
15	0.0	.756528	*	.684
16	0.0	.732764	*	.675
17	0.0	.717198	*	.668
18	0.0	.706189	*	.664
19	0.0	.698010	*	.660
20	0.0	.691689	*	.658
25	0.0	.686657	*	.656
30	0.0	.682557	*	.654
40	0.0	.679152	*	.653

CONFIDENCE LEVEL=.8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	12.000000	*	4.115
3	0.0	4.000000	*	2.235
4	0.0	2.886027	*	.855
5	0.0	.472136	*	.706
6	0.0	.259135	*	.625
7	0.0	.129928	*	.576
8	0.0	.043369	*	.427
9	0.0	.931395	*	.317
10	0.0	.934861	*	.490
11	0.0	.898648	*	.484
12	0.0	.845963	*	.463
13	0.0	.809493	*	.448
14	0.0	.782756	*	.437
15	0.0	.762319	*	.429
16	0.0	.746189	*	.422
17	0.0	.717643	*	.410
18	0.0	.698954	*	.403
19	0.0	.685768	*	.397
20	0.0	.675968	*	.393
25	0.0	.668397	*	.390
30	0.0	.662374	*	.387
40	0.0	.657466	*	.385
60	0.0	.653392	*	.384

CONFIDENCE LEVEL=.8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.000005	13.0633931	3097165.0	4.039
4	0.000210	4.156488	35780.4	2.160
5	0.000733	2.936466	3282.5	1.773
6	0.001583	2.485798	1956.7	1.612
7	0.002429	2.254640	1061.2	1.523
8	0.003249	2.114760	700.2	1.468
9	0.004012	2.021240	518.0	1.430
10	0.004709	1.954400	412.1	1.402
12	0.005340	1.904290	344.4	1.381
14	0.005910	1.865349	298.0	1.364
16	0.006890	1.808796	239.4	1.340
18	0.007696	1.769731	204.4	1.322
20	0.008367	1.741144	181.4	1.300
25	0.008932	1.719325	153.3	1.292
30	0.009413	1.702128	133.9	1.278
35	0.010333	1.671745	122.2	1.269
40	0.011033	1.651895	110.9	1.253
45	0.011543	1.637912	104.5	1.238
50	0.011953	1.627532	100.0	1.234
55	0.012278	1.619522	99.7	1.231
60	0.012545	1.613153	99.2	1.229
	0.012768	1.607968	97.1	1.247
	0.012957	1.603666		

CONFIDENCE LEVEL=.8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.000596	13.644620	94236.4	4.076
5	0.005134	4.238660	1934.9	2.129
6	0.011592	2.961406	1461.9	1.730
7	0.018002	2.491799	1214.7	1.532
8	0.023774	2.251868	932.7	1.469
9	0.028816	2.107189	744.7	1.410
10	0.033133	2.010764	622.0	1.370
12	0.036969	1.942043	533.3	1.338
14	0.040264	1.890652	473.5	1.300
16	0.043150	1.850804	429.6	1.274
18	0.047943	1.793098	394.7	1.256
20	0.051751	1.753367	361.4	1.242
25	0.054839	1.724371	319.0	1.232
30	0.057391	1.702288	271.2	1.224
35	0.059532	1.684915	244.2	1.209
40	0.063627	1.654298	221.2	1.192
45	0.066539	1.634352	211.2	1.187
50	0.068715	1.620331	200.3	1.183
55	0.070401	1.609939	199.6	1.180
60	0.071746	1.601929	199.1	1.178
	0.072844	1.595567	18.4	1.176
	0.073736	1.590392		
	0.074527	1.586101		

CONFIDENCE LEVEL=.8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

5 DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.002855	14.009580	24935.4	4.065
2	0.014963	4.290596	809.1	2.112
3	0.028874	2.977324	220.0	1.707
4	0.041554	2.495602	108.3	1.535
5	0.052478	2.249891	69.0	1.440
6	0.061762	2.101923	50.4	1.379
7	0.069659	2.003412	40.0	1.338
8	0.076416	1.933265	33.5	1.307
9	0.082239	1.880847	29.1	1.284
10	0.087299	1.840227	25.9	1.266
12	0.095635	1.781443	21.7	1.239
14	0.102198	1.741000	19.1	1.200
16	0.107490	1.711499	17.3	1.155
18	0.111842	1.689040	16.0	1.109
20	0.115480	1.671377	15.0	1.073
25	0.122206	1.640260	13.4	1.023
30	0.127733	1.619993	12.4	1.000
35	0.130958	1.605730	11.7	0.985
40	0.133781	1.595195	11.1	0.970
45	0.136028	1.587060	10.8	0.964
50	0.137859	1.580598	10.5	0.960
55	0.139379	1.575343	10.3	0.957
60	0.140662	1.570985	10.1	0.955

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

6 DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.006188	14.259872	13762.7	4.065
2	0.025634	4.326024	545.2	2.101
3	0.046075	2.987537	156.3	1.693
4	0.064011	2.497016	78.6	1.519
5	0.079135	2.246910	50.6	1.422
6	0.091944	2.096310	37.2	1.351
7	0.102721	1.996043	29.6	1.318
8	0.111896	1.924635	24.8	1.287
9	0.119776	1.871262	21.5	1.253
10	0.126603	1.829394	19.2	1.245
12	0.137818	1.770001	16.0	1.217
14	0.146622	1.728772	14.1	1.198
16	0.153708	1.693680	12.8	1.173
18	0.159525	1.675759	11.8	1.154
20	0.164385	1.657724	11.1	1.140
25	0.173622	1.625927	9.8	1.114
30	0.180152	1.605199	9.1	1.103
35	0.185009	1.590620	8.6	1.100
40	0.188763	1.579808	8.2	1.100
45	0.191750	1.571472	7.9	1.100
50	0.194134	1.564847	7.7	1.100
55	0.196204	1.559457	7.5	1.100
60	0.197908	1.554986	7.4	1.100

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
7				
1	0.0099803	14.441986	9982.5	4.062
2	0.0356411	4.351508	439.2	2.095
3	0.0613411	2.594291	129.2	1.685
4	0.083537	2.497024	63.6	1.509
5	0.102148	2.243421	42.4	1.411
6	0.117717	2.090649	31.2	1.349
7	0.130326	1.988880	24.8	1.306
8	0.141962	1.916358	20.8	1.274
9	0.151514	1.862119	18.0	1.250
10	0.159781	1.820052	16.0	1.231
11	0.173347	1.759095	13.4	1.203
12	0.183990	1.717084	11.7	1.184
13	0.192549	1.686389	10.6	1.166
14	0.199576	1.662986	9.8	1.153
15	0.205444	1.644556	9.2	1.140
16	0.211659	1.612022	8.7	1.134
17	0.222448	1.590780	8.1	1.127
18	0.233034	1.575322	7.6	1.117
19	0.238431	1.564718	7.1	1.111
20	0.241428	1.556149	6.7	1.107
25	0.243866	1.543789	6.3	1.104
30	0.245927	1.539185	6.0	1.101

CONFIDENCE LEVEL=.8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
8				
1	0.013298	14.580333	8219.4	4.061
2	0.044430	4.370630	384.7	2.091
3	0.074475	2.998929	114.8	1.679
4	0.100148	2.496313	58.5	1.502
5	0.121566	2.239857	37.9	1.403
6	0.139437	2.035262	27.8	1.340
7	0.154462	1.982200	22.1	1.307
8	0.167216	1.908699	18.5	1.265
9	0.178149	1.833683	16.0	1.241
10	0.187610	1.810980	14.4	1.222
11	0.203132	1.749033	11.9	1.193
12	0.215311	1.706279	10.0	1.174
13	0.225107	1.675001	9.4	1.159
14	0.233151	1.651127	8.6	1.148
15	0.239870	1.633306	8.1	1.139
16	0.245264	1.599034	7.7	1.123
17	0.256168	1.577271	7.1	1.113
18	0.268413	1.561923	6.6	1.106
19	0.273614	1.550518	6.3	1.101
20	0.277755	1.541707	6.0	1.096
25	0.281129	1.533469	5.5	1.093
30	0.283932	1.528985	5.4	1.091
35	0.286297	1.524242	5.3	1.088

CONFIDENCE LEVEL=.8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
9				
1	0.016519	14.688947	7239.5	4.059
2	0.052071	4.38547	352.4	2.088
3	0.085708	3.002230	106.1	1.675
4	0.114258	2.455264	54.2	1.497
5	0.138006	2.236434	35.1	1.368
6	0.157794	2.080290	25.8	1.293
7	0.174420	1.976108	20.5	1.259
8	0.188529	1.901744	17.1	1.234
9	0.200624	1.846034	14.8	1.215
10	0.211092	1.802756	13.1	1.186
12	0.228271	1.739901	10.9	1.166
14	0.241756	1.696456	9.5	1.140
16	0.252608	1.664629	8.6	1.131
18	0.261524	1.640306	7.9	1.111
20	0.268976	1.621111	7.4	1.105
25	0.293156	1.587124	6.5	1.093
30	0.293195	1.564850	5.9	1.088
35	0.300673	1.549119	5.6	1.093
40	0.306458	1.537414	5.3	1.088
45	0.311065	1.528263	5.1	1.082
50	0.314822	1.521155	5.0	1.080
55	0.317943	1.515279	4.8	1.080
60	0.320577	1.510396	4.7	1.080

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10				
1	0.019427	14.776457	6631.5	4.058
2	0.058698	4.397303	331.6	2.086
3	0.095346	3.004652	100.3	1.673
4	0.126311	2.494078	51.3	1.493
5	0.152022	2.233243	33.2	1.364
6	0.173430	2.075768	24.4	1.300
7	0.191423	1.970608	19.3	1.266
8	0.206676	1.895481	16.1	1.244
9	0.219762	1.839152	13.9	1.225
10	0.231091	1.795354	12.4	1.200
12	0.249694	1.731671	10.3	1.188
14	0.264307	1.687587	9.0	1.161
16	0.276076	1.655248	8.0	1.146
18	0.285751	1.630504	7.4	1.134
20	0.293842	1.610955	6.9	1.125
25	0.309250	1.576286	6.0	1.106
30	0.320172	1.553522	5.5	1.099
35	0.328314	1.537420	5.2	1.092
40	0.334616	1.525424	4.9	1.086
45	0.339639	1.516139	4.7	1.082
50	0.343736	1.508738	4.6	1.079
55	0.347142	1.502700	4.5	1.076
60	0.350017	1.497680	4.4	1.074

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.024359	14.908723	5940.1	4.057
1	0.069506	4.414965	306.8	2.083
2	0.110903	3.007885	93.4	1.668
3	0.145691	2.491669	47.8	1.489
4	0.174522	2.227632	30.9	1.388
5	0.198513	2.067988	22.6	1.324
6	0.218681	1.961209	17.9	1.280
7	0.235805	1.884800	14.9	1.247
8	0.250498	1.827414	12.9	1.222
9	0.263229	1.782724	11.4	1.202
10	0.284160	1.717597	9.4	1.173
11	0.300631	1.672382	8.2	1.153
12	0.313916	1.639128	7.3	1.138
13	0.324854	1.613624	6.7	1.126
14	0.334013	1.593432	6.2	1.117
15	0.351489	1.557514	5.5	1.101
16	0.363390	1.533839	5.0	1.090
17	0.373178	1.517043	4.6	1.083
18	0.380368	1.504500	4.4	1.077
19	0.386105	1.494771	4.2	1.073
20	0.390789	1.487004	4.1	1.070
25	0.394685	1.480658	4.0	1.067
30	0.397978	1.475375	3.9	1.065

CONFIDENCE LEVEL = .9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.028311	15.003915	5571.1	4.057
1	0.077859	4.427500	293.1	2.081
2	0.122834	3.009976	89.5	1.665
3	0.160508	2.489450	45.8	1.486
4	0.191709	2.22970	29.6	1.385
5	0.217684	2.061636	21.6	1.321
6	0.239522	1.953574	17.1	1.276
7	0.258084	1.876131	14.2	1.243
8	0.274026	1.817884	12.2	1.213
9	0.287831	1.772437	10.8	1.198
10	0.310614	1.706122	9.9	1.188
11	0.328537	1.659949	8.7	1.168
12	0.343034	1.625909	7.7	1.148
13	0.355007	1.599745	6.9	1.132
14	0.365030	1.578990	6.3	1.111
15	0.384191	1.541966	5.9	1.111
16	0.397836	1.517477	5.1	1.095
17	0.403048	1.500053	4.6	1.084
18	0.415977	1.487010	4.3	1.077
19	0.422313	1.476876	4.1	1.071
20	0.427491	1.468771	3.9	1.067
25	0.431803	1.462141	3.8	1.064
30	0.435449	1.456614	3.7	1.061
60			3.6	1.058

CONFIDENCE LEVEL = .8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.031513	15.075691	5349.3	4.056
2	0.084495	4.436850	284.6	2.080
3	0.132237	3.011183	37.1	1.664
4	0.172166	2.487456	44.6	1.484
5	0.205229	2.219089	28.7	1.383
6	0.232763	2.056403	21.0	1.318
7	0.255933	1.947299	16.6	1.273
8	0.275641	1.869009	13.8	1.240
9	0.292584	1.810048	11.8	1.214
10	0.307290	1.764005	10.5	1.194
12	0.331536	1.696650	8.6	1.165
14	0.350630	1.649657	7.4	1.144
16	0.366172	1.614938	6.6	1.129
18	0.378963	1.588200	6.0	1.117
20	0.389702	1.566952	5.6	1.107
25	0.410272	1.528951	4.5	1.091
30	0.424955	1.503733	4.4	1.080
35	0.435964	1.485743	4.1	1.072
40	0.444526	1.472248	3.9	1.067
45	0.451375	1.461743	3.7	1.062
50	0.456980	1.453329	3.6	1.059
55	0.461651	1.446436	3.5	1.056
60	0.465604	1.440685	3.4	1.054

CONFIDENCE LEVEL = .8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.034145	15.131737	5204.8	4.056
2	0.089850	4.444089	279.0	2.080
3	0.139821	3.012085	85.4	1.663
4	0.182552	2.485755	45.7	1.482
5	0.215135	2.215832	28.2	1.381
6	0.244927	2.052040	20.6	1.316
7	0.269177	1.942074	16.2	1.271
8	0.289822	1.863077	13.4	1.238
9	0.307595	1.803515	11.0	1.212
10	0.323017	1.756951	10.2	1.192
12	0.348489	1.688725	8.4	1.162
14	0.368634	1.641025	7.2	1.141
16	0.384960	1.603715	6.4	1.126
18	0.398457	1.578475	5.9	1.114
20	0.409803	1.556793	5.4	1.105
25	0.431574	1.517924	4.7	1.088
30	0.447145	1.492052	4.2	1.077
35	0.458843	1.473552	3.9	1.069
40	0.467960	1.459646	3.7	1.064
45	0.475259	1.448802	3.5	1.059
50	0.481233	1.440105	3.4	1.056
55	0.486226	1.432972	3.3	1.053
60	0.490450	1.427013	3.2	1.051

CONFIDENCE LEVEL = .8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCT ION
20	0.036340	15.176712	5.105.1	4.056
21	0.094234	4.449858	2.755.1	2.079
22	0.146061	3.012732	34.3	1.662
23	0.189288	2.484318	43.1	1.481
24	0.225088	2.213070	43.1	1.380
25	0.254935	2.048356	27.8	1.315
26	0.280083	1.937667	20.3	1.270
27	0.301508	1.838070	16.0	1.236
28	0.319958	1.757997	13.2	1.211
29	0.335998	1.690986	11.1	1.190
30	0.350250	1.632008	10.0	1.160
31	0.362505	1.583369	8.2	1.139
32	0.373493	1.543866	7.1	1.124
33	0.383534	1.509184	6.3	1.112
34	0.392650	1.48117	5.5	1.102
35	0.401931	1.458474	4.6	1.095
36	0.411466	1.438201	4.1	1.087
37	0.421250	1.423051	3.8	1.081
38	0.431393	1.408770	3.6	1.077
39	0.441875	1.395618	3.3	1.073
40	0.452656	1.383660	3.3	1.069
41	0.463797	1.372835	3.2	1.065
42	0.475265	1.363155	3.1	1.061
43	0.487156			1.057
44	0.499576			1.053
45	0.502576			1.050
46	0.506846			1.048
47	0.511312			

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCT ION
25	0.040492	15.257971	4.958.1	4.055
26	0.102548	4.460190	269.3	2.078
27	0.157693	3.013725	82.3	1.661
28	0.203673	2.481388	42.3	1.480
29	0.241783	2.207736	27.7	1.380
30	0.273594	2.041275	21.9	1.313
31	0.300436	1.939197	17.5	1.267
32	0.323343	1.848442	14.2	1.234
33	0.343100	1.787370	11.1	1.208
34	0.360307	1.739481	9.5	1.188
35	0.375809	1.669011	8.2	1.167
36	0.389880	1.619460	7.1	1.153
37	0.402988	1.582586	6.3	1.136
38	0.415517	1.553998	5.5	1.120
39	0.427807	1.531140	4.6	1.109
40	0.439297	1.489887	4.1	1.099
41	0.450090	1.462189	3.8	1.091
42	0.461444	1.442240	3.6	1.084
43	0.472503	1.427156	3.3	1.077
44	0.483357	1.415334	3.3	1.073
45	0.494057	1.405811	3.2	1.069
46	0.504643	1.397971	3.1	1.065
47	0.515141	1.391400	3.0	1.061

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
30				
1	0.043404	15.312357	4881.2	4.055
2	0.108270	4.467039	266.1	2.078
3	0.165712	3.014261	81.6	1.660
4	0.213609	2.479235	41.7	1.479
5	0.253323	2.203911	26.8	1.377
6	0.286506	2.036217	19.3	1.312
7	0.314541	1.923149	15.3	1.266
8	0.338495	1.841558	12.7	1.232
9	0.359183	1.779759	10.9	1.206
10	0.377224	1.732224	9.5	1.186
11	0.407164	1.659646	8.7	1.156
12	0.431009	1.609166	7.8	1.134
14	0.450460	1.571495	6.9	1.118
16	0.466640	1.542212	6.4	1.106
18	0.480317	1.518741	5.9	1.096
20	0.506793	1.476224	5.4	1.079
25	0.523924	1.447536	4.9	1.068
30	0.540431	1.426795	4.5	1.060
40	0.551815	1.411056	4.0	1.054
45	0.556099	1.398683	3.9	1.049
50	0.568557	1.388651	3.8	1.046
55	0.574895	1.380446	3.7	1.043
60	0.580287	1.373522	3.6	1.040

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35				
1	0.045553	15.351308	4833.9	4.055
2	0.112463	4.471912	264.2	2.077
3	0.171586	3.014581	81.0	1.660
4	0.220878	2.477597	41.4	1.478
5	0.261772	2.201042	26.6	1.376
6	0.295969	2.032432	19.3	1.311
7	0.324837	1.918622	15.3	1.265
8	0.349622	1.836400	12.7	1.231
9	0.371007	1.774048	10.9	1.206
10	0.389675	1.725019	9.5	1.185
11	0.420703	1.652586	8.7	1.154
12	0.445465	1.601333	7.8	1.133
14	0.465702	1.563086	6.9	1.117
16	0.482566	1.533253	6.4	1.105
18	0.496846	1.509293	5.9	1.093
20	0.524545	1.465759	5.4	1.077
25	0.544653	1.436270	4.9	1.066
30	0.559934	1.414870	4.5	1.058
40	0.571958	1.399855	4.0	1.052
45	0.581672	1.388575	3.9	1.047
50	0.589690	1.375363	3.8	1.044
55	0.596423	1.366774	3.7	1.041
60	0.602159	1.359549	3.6	1.038

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.047204	15.380576	4807.0	4.055
1	0.115664	4.475556	263.0	2.077
2	0.176068	3.014787	80.7	1.659
3	0.226426	2.476313	41.2	1.478
4	0.268223	2.198814	26.4	1.376
5	0.303200	2.029497	19.2	1.310
6	0.332800	1.915110	15.1	1.265
7	0.358140	1.832394	12.5	1.231
8	0.380065	1.769608	10.7	1.205
9	0.399223	1.720190	9.4	1.184
10	0.431104	1.647078	7.6	1.154
11	0.456539	1.595295	6.5	1.132
12	0.477450	1.556493	5.8	1.116
13	0.494860	1.526215	5.2	1.104
14	0.509632	1.501857	4.8	1.094
15	0.523333	1.483748	4.4	1.076
16	0.535921	1.472327	4.1	1.065
17	0.547511	1.460537	3.9	1.057
18	0.558768	1.448863	3.7	1.051
19	0.569785	1.437540	3.5	1.046
20	0.606254	1.426467	3.4	1.042
25	0.613320	1.395579	2.8	1.035
30	0.619348	1.348208	2.6	1.037

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.043510	15.403374	4787.4	4.055
1	0.113199	4.478383	262.2	2.077
2	0.173999	3.014925	80.4	1.659
3	0.233079	2.475280	41.1	1.478
4	0.273310	2.197035	26.4	1.376
5	0.308904	2.027156	19.2	1.310
6	0.339047	1.912308	15.1	1.264
7	0.364870	1.829195	12.5	1.230
8	0.387229	1.766059	10.7	1.204
9	0.406778	1.716325	9.4	1.184
10	0.433934	1.642660	7.6	1.153
11	0.465416	1.593040	6.5	1.133
12	0.486734	1.551137	5.8	1.115
13	0.504640	1.520540	5.2	1.103
14	0.519999	1.495850	4.8	1.093
15	0.549330	1.450779	4.4	1.075
16	0.570876	1.420056	4.1	1.064
17	0.587332	1.397639	3.9	1.056
18	0.600333	1.380498	3.7	1.050
19	0.610876	1.366933	3.5	1.045
20	0.619607	1.355912	3.4	1.041
25	0.626960	1.346770	2.8	1.038
30	0.633240	1.339057	2.6	1.036

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.049569	15.421633	4773.4	4.055
1	0.120230	4.480641	261.6	2.077
2	0.182453	3.015023	80.2	1.659
3	0.234332	2.474433	41.0	1.478
4	0.277423	2.195582	26.3	1.376
5	0.313520	2.025245	19.1	1.310
6	0.344105	1.910020	15.0	1.264
7	0.370320	1.826582	12.4	1.230
8	0.393034	1.763157	10.6	1.204
9	0.412905	1.713163	9.3	1.183
10	0.446058	1.639040	7.6	1.153
11	0.472591	1.586389	6.5	1.131
12	0.494381	1.546824	5.7	1.115
13	0.512608	1.515867	5.2	1.102
14	0.528099	1.490358	4.7	1.093
15	0.535832	1.473232	4.0	1.075
16	0.580437	1.441402	3.6	1.063
17	0.599734	1.391205	3.3	1.053
18	0.610726	1.337372	3.1	1.049
19	0.622598	1.359862	2.9	1.044
20	0.633061	1.348584	2.8	1.040
21	0.638216	1.333921	2.7	1.037
22	0.644716	1.331302	2.6	1.035

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.050443	15.436585	4753.2	4.055
1	0.121914	4.482486	261.2	2.077
2	0.184807	3.015094	80.1	1.659
3	0.237247	2.473725	40.9	1.477
4	0.280818	2.194374	26.2	1.375
5	0.317330	2.023656	19.1	1.310
6	0.348282	1.908117	15.0	1.264
7	0.374825	1.824408	12.4	1.230
8	0.397834	1.760741	10.6	1.204
9	0.417974	1.710528	9.3	1.183
10	0.431581	1.636020	7.6	1.152
11	0.478540	1.583034	6.5	1.131
12	0.500685	1.543174	5.7	1.115
13	0.519226	1.511952	5.2	1.102
14	0.534999	1.486744	4.7	1.092
15	0.565818	1.440567	4.0	1.074
16	0.588397	1.408941	3.6	1.062
17	0.605706	1.383770	3.3	1.054
18	0.619425	1.353868	3.1	1.048
19	0.630533	1.334236	2.9	1.043
20	0.639850	1.342794	2.7	1.040
21	0.647672	1.332702	2.6	1.037
22	0.654367		2.5	1.034

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.051182	15.449055	4755.4	4.055
1	0.123327	4.484021	260.9	2.077
2	0.186782	3.015147	80.0	1.659
3	0.239693	2.473126	40.8	1.477
4	0.283567	2.193354	26.2	1.375
5	0.320530	2.022315	19.0	1.310
6	0.351791	1.906510	14.5	1.264
7	0.378611	1.822571	11.2	1.230
8	0.401870	1.758699	10.5	1.204
9	0.422238	1.708300	9.2	1.183
10	0.436246	1.663346	7.5	1.152
12	0.483552	1.580189	6.4	1.130
14	0.506000	1.540075	5.7	1.114
16	0.524812	1.508625	5.1	1.102
18	0.540826	1.483210	4.7	1.092
20	0.552138	1.463589	4.0	1.074
25	0.595152	1.404597	3.5	1.062
30	0.612806	1.381117	3.3	1.054
35	0.626819	1.353070	3.0	1.048
40	0.638232	1.348721	2.9	1.043
45	0.647717	1.337014	2.7	1.039
50	0.655734	1.327256	2.6	1.036
55	0.662602	1.319013	2.5	1.034
60				

CONFIDENCE LEVEL = .2
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	39.863458	*	4.050
2	0.0	8.526316	*	2.171
3	0.0	5.538319	*	1.828
4	0.0	4.544771	*	1.695
5	0.0	4.060420	*	1.626
6	0.0	3.775950	*	1.585
7	0.0	3.589428	*	1.557
8	0.0	3.457919	*	1.537
9	0.0	3.360303	*	1.522
10	0.0	3.285015	*	1.510
11	0.0	3.176549	*	1.493
12	0.0	3.102213	*	1.482
14	0.0	3.048110	*	1.473
16	0.0	3.006977	*	1.467
18	0.0	2.974653	*	1.461
20	0.0	2.917745	*	1.452
25	0.0	2.880695	*	1.446
30	0.0	2.854655	*	1.442
40	0.0	2.835354	*	1.439
45	0.0	2.820476	*	1.437
50	0.0	2.808658	*	1.435
55	0.0	2.799043	*	1.433
60	0.0	2.791068	*	1.432

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	49.500000	*	4.029
1	0.0	9.000000	*	2.105
2	0.0	5.462383	*	1.739
3	0.0	4.324555	*	1.594
4	0.0	3.779716	*	1.517
5	0.0	3.463304	*	1.470
6	0.0	3.257442	*	1.438
7	0.0	3.113118	*	1.416
8	0.0	3.006452	*	1.399
9	0.0	2.924466	*	1.385
10	0.0	2.806796	*	1.366
11	0.0	2.726468	*	1.352
12	0.0	2.668171	*	1.343
14	0.0	2.623947	*	1.335
16	0.0	2.589254	*	1.329
18	0.0	2.528305	*	1.319
20	0.0	2.488716	*	1.312
25	0.0	2.460936	*	1.307
30	0.0	2.440369	*	1.303
40	0.0	2.424529	*	1.300
45	0.0	2.411955	*	1.298
50	0.0	2.401731	*	1.296
55	0.0	2.393255	*	1.295
60	0.0		*	

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.0	53.593245	1140249.9	4.023
1	0.000013	9.161799	83635.0	2.080
2	0.000079	5.390826	21752.3	1.701
3	0.000200	4.190994	9520.7	1.547
4	0.000354	3.619713	5437.6	1.464
5	0.000521	3.289109	3625.6	1.413
6	0.000690	3.074532	2666.7	1.378
7	0.000853	2.924365	2095.7	1.352
8	0.001007	2.813535	1726.0	1.333
9	0.001152	2.728442	1286.9	1.318
10	0.001412	2.606467	1041.6	1.296
12	0.001634	2.523314	887.8	1.281
14	0.001825	2.463028	783.6	1.269
16	0.001990	2.417333	708.8	1.261
18	0.002133	2.381510	591.1	1.254
20	0.002419	2.318631	523.3	1.241
25	0.002632	2.277827	479.5	1.233
35	0.002796	2.249216	449.0	1.228
40	0.002926	2.228044	426.6	1.223
45	0.003032	2.211745	409.4	1.219
50	0.003120	2.198811	395.6	1.215
55	0.003193	2.188297	384.9	1.214
60	0.003256	2.179583		

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.000074	55.832998	30302.0	4.020
1	0.001258	9.244047	15865.0	2.067
2	0.003552	5.344430	2402.5	1.679
3	0.006177	4.110361	887.1	1.518
4	0.008742	3.524607	476.2	1.431
5	0.011107	3.186373	310.6	1.377
6	0.013237	2.967226	227.2	1.339
7	0.015139	2.814084	178.9	1.312
8	0.016833	2.701200	148.1	1.291
9	0.018345	2.614625	127.1	1.275
10	0.020913	2.490695	100.7	1.251
12	0.022999	2.406345	85.0	1.234
14	0.024720	2.345272	74.8	1.222
16	0.026161	2.299030	67.6	1.213
18	0.027384	2.262813	62.3	1.205
20	0.029754	2.199321	53.7	1.192
25	0.031464	2.158181	48.6	1.183
35	0.032755	2.129364	45.3	1.177
40	0.033764	2.108059	42.9	1.172
45	0.034572	2.091668	41.1	1.168
50	0.035236	2.078668	39.7	1.166
55	0.035789	2.068105	38.6	1.163
60	0.036258	2.059354	37.7	1.161

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5				
1	0.000699	57.240357	411183.2	4.018
2	0.005649	9.294917	4368.1	2.059
3	0.012574	5.314302	818.3	1.665
4	0.019474	4.058596	332.9	1.501
5	0.025746	3.463624	188.5	1.411
6	0.031278	3.120475	127.1	1.355
7	0.036116	2.898340	95.0	1.316
8	0.040346	2.743219	76.0	1.288
9	0.044055	2.628943	63.6	1.266
10	0.047323	2.541343	55.1	1.249
12	0.052798	2.416019	44.2	1.224
14	0.057185	2.330774	37.6	1.206
16	0.060770	2.269084	33.2	1.193
18	0.063749	2.222394	30.2	1.183
20	0.066261	2.185838	27.9	1.175
25	0.071094	2.121778	24.2	1.161
30	0.074555	2.080289	21.9	1.152
35	0.077154	2.051237	20.4	1.146
40	0.079176	2.029763	19.4	1.141
45	0.080792	2.013245	18.6	1.137
50	0.082115	2.000147	18.0	1.134
55	0.083216	1.989505	17.5	1.132
60	0.084148	1.980689	17.1	1.130

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6				
1	0.002098	58.205124	165726.5	4.017
2	0.011909	9.329640	2435.1	2.054
3	0.023721	5.293049	499.5	1.657
4	0.034823	4.022079	211.3	1.490
5	0.044617	3.420402	122.1	1.399
6	0.053105	3.073544	83.2	1.341
7	0.060442	2.849063	62.7	1.301
8	0.066803	2.692325	50.3	1.272
9	0.072348	2.576864	42.3	1.250
10	0.077212	2.488357	36.7	1.232
12	0.085318	2.361731	29.5	1.206
14	0.091782	2.275593	25.1	1.188
16	0.097045	2.213249	22.2	1.175
18	0.101407	2.166057	20.1	1.165
20	0.105078	2.129102	18.6	1.157
25	0.112123	2.064321	16.1	1.142
30	0.117157	2.022367	14.6	1.133
35	0.120929	1.992976	13.6	1.126
40	0.123859	1.971246	12.9	1.121
45	0.126201	1.954529	12.3	1.117
50	0.128115	1.941269	11.9	1.114
55	0.129709	1.930496	11.6	1.112
60	0.131056	1.921569	11.3	1.110

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.004011	58.907128	100947.9	4.017
1	0.018606	9.354740	1768.6	2.050
2	0.034806	5.277020	380.1	1.651
3	0.049580	3.994587	163.8	1.483
4	0.062422	3.387718	95.5	1.391
5	0.073456	3.037890	65.4	1.332
6	0.082941	2.811466	49.3	1.291
7	0.091135	2.653342	39.7	1.261
8	0.098259	2.536835	33.3	1.239
9	0.104495	2.447504	28.9	1.221
10	0.114869	2.319654	23.2	1.194
12	0.123126	2.232640	19.7	1.176
14	0.129840	2.169632	17.4	1.162
16	0.135400	2.121917	15.8	1.152
18	0.140077	2.084538	14.6	1.144
20	0.149047	2.018983	12.6	1.129
25	0.155451	1.976481	11.4	1.119
30	0.160248	1.946695	10.6	1.112
35	0.163975	1.924663	10.0	1.107
40	0.166953	1.907706	9.6	1.103
45	0.169386	1.894252	9.2	1.100
50	0.171412	1.883317	9.0	1.098
55	0.173125	1.874255	8.8	1.096

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.006140	59.440583	74642.6	4.016
1	0.025042	9.373653	1454.1	2.048
2	0.045021	5.264395	321.0	1.648
3	0.062925	3.973001	139.7	1.478
4	0.078358	3.361968	81.7	1.385
5	0.091558	3.009689	56.1	1.325
6	0.102874	2.781618	42.3	1.284
7	0.112632	2.622291	34.0	1.254
8	0.121107	2.504855	28.6	1.231
9	0.128521	2.414779	24.7	1.213
10	0.140844	2.285793	19.8	1.196
12	0.150648	2.197944	16.8	1.167
14	0.158618	2.134289	14.8	1.153
16	0.165219	2.086056	13.4	1.143
18	0.170771	2.048251	12.4	1.134
20	0.181421	1.981897	10.6	1.119
25	0.189027	1.938835	9.6	1.110
30	0.194726	1.908633	8.9	1.103
35	0.199155	1.886279	8.4	1.097
40	0.202694	1.869065	8.0	1.093
45	0.205587	1.855401	7.7	1.090
50	0.207996	1.844292	7.5	1.088
55	0.210033	1.835082	7.3	1.086

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.008292	59.859552	61239.7	4.016
1	0.030960	9.388377	1277.8	2.046
2	0.054168	5.254153	286.7	1.645
3	0.074736	3.955347	125.5	1.475
4	0.092378	3.341090	73.6	1.381
5	0.107428	2.986750	50.5	1.321
6	0.120311	2.757264	38.1	1.279
7	0.131413	2.596884	30.6	1.249
8	0.141051	2.478620	25.7	1.225
10	0.149481	2.387870	22.2	1.207
12	0.163493	2.257840	17.8	1.180
14	0.174642	2.169207	15.0	1.161
16	0.183710	2.104937	13.2	1.147
18	0.191221	2.056205	11.9	1.136
20	0.197542	2.017985	11.0	1.127
25	0.209674	1.950845	9.4	1.112
30	0.218345	1.907224	8.5	1.102
35	0.224847	1.876603	7.9	1.095
40	0.229902	1.853922	7.4	1.090
45	0.233943	1.836447	7.1	1.086
50	0.237248	1.822569	6.8	1.083
55	0.240000	1.811281	6.6	1.080
60	0.242328	1.801919	6.4	1.078

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.010365	60.197249	53397.8	4.015
1	0.036301	9.400143	1167.8	2.045
2	0.062275	5.245560	264.9	1.643
3	0.085126	3.941121	116.3	1.472
4	0.104663	3.323794	68.3	1.378
5	0.121306	2.967695	46.8	1.317
6	0.135544	2.736979	35.3	1.275
7	0.147810	2.575670	28.3	1.245
8	0.158458	2.456667	23.7	1.221
9	0.167773	2.365308	20.5	1.202
10	0.173261	2.234320	16.4	1.175
12	0.195592	2.144959	13.8	1.156
14	0.205627	2.080110	12.2	1.142
16	0.213944	2.030905	11.0	1.131
18	0.220947	1.992288	10.1	1.122
20	0.234399	1.924388	8.6	1.107
25	0.244023	1.880222	7.7	1.097
30	0.251246	1.849189	7.1	1.089
35	0.256865	1.826186	6.7	1.084
40	0.261360	1.808451	6.4	1.080
45	0.265037	1.794359	6.2	1.077
50	0.268101	1.782892	6.0	1.074
55	0.270693	1.773378	5.8	1.072

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
12				
1	0.014114	60.707930	44928.7	4.015
2	0.045364	9.417742	1041.6	2.044
3	0.075801	5.232374	239.3	1.640
4	0.102341	3.918636	105.5	1.469
5	0.124955	3.296765	61.5	1.373
6	0.144193	2.937818	42.4	1.312
7	0.160647	2.705073	31.5	1.270
8	0.174827	2.542201	25.6	1.239
9	0.187143	2.421937	21.4	1.215
10	0.197925	2.329526	18.5	1.196
12	0.215872	2.196858	14.7	1.168
14	0.230185	2.106197	12.4	1.149
16	0.241851	2.040302	10.8	1.134
18	0.251534	1.990230	9.7	1.123
20	0.259697	1.950883	8.9	1.114
25	0.275409	1.881567	7.6	1.099
30	0.286677	1.836371	6.8	1.088
35	0.295151	1.804554	6.2	1.081
40	0.301752	1.730932	5.9	1.076
45	0.307040	1.762697	5.6	1.072
50	0.311371	1.748191	5.4	1.068
55	0.314983	1.736376	5.2	1.066
60	0.318041	1.726565	5.0	1.065

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14				
1	0.017296	61.075692	40623.0	4.015
2	0.052638	9.430252	973.6	2.044
3	0.086498	5.222446	225.2	1.639
4	0.115879	3.901903	99.4	1.466
5	0.140875	3.276592	58.3	1.371
6	0.162135	2.915438	39.6	1.309
7	0.180326	2.681086	30.0	1.267
8	0.196013	2.516957	24.0	1.235
9	0.209650	2.395661	20.0	1.211
10	0.221539	2.302377	17.3	1.192
12	0.241517	2.168293	13.7	1.164
14	0.257430	2.076517	11.5	1.144
16	0.270422	2.009711	10.0	1.129
18	0.281224	1.953878	9.0	1.118
20	0.290342	1.919882	8.2	1.109
25	0.307929	1.848293	7.0	1.093
30	0.320575	1.802160	6.2	1.083
35	0.330103	1.769621	5.7	1.075
40	0.337540	1.745425	5.3	1.070
45	0.343505	1.726722	5.1	1.066
50	0.348396	1.711828	4.9	1.062
55	0.352479	1.699685	4.7	1.060
60	0.355939	1.689594	4.5	1.058

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
16			38	
1	0.019973	61.353121	107.3	4.015
2	0.058543	9.439592	932.5	2.042
3	0.095103	5.214745	216.6	1.638
4	0.126735	3.888960	55.6	1.465
5	0.153628	3.260951	56.1	1.365
6	0.176506	2.898037	38.4	1.307
7	0.196094	2.662382	28.8	1.264
8	0.212999	2.497219	23.0	1.233
9	0.227709	2.375065	19.2	1.208
10	0.240610	2.281048	16.5	1.185
12	0.262145	2.145761	13.0	1.161
14	0.279381	2.053024	10.9	1.141
16	0.293476	1.985425	9.5	1.126
18	0.305213	1.933922	8.5	1.114
20	0.315135	1.893352	7.8	1.105
25	0.334311	1.821625	6.6	1.085
30	0.348135	1.774643	5.8	1.079
35	0.358572	1.741444	5.3	1.071
40	0.366732	1.716721	5.0	1.066
45	0.373286	1.697586	4.7	1.062
50	0.378666	1.682331	4.5	1.058
55	0.383163	1.669883	4.4	1.055
60	0.386976	1.659529	4.2	1.053

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18			36	
1	0.022232	61.569839	499.3	4.015
2	0.063405	9.446928	905.5	2.042
3	0.102147	5.208596	210.8	1.637
4	0.135606	3.878648	93.1	1.464
5	0.164043	3.248467	54.6	1.367
6	0.188246	2.884115	37.3	1.306
7	0.208982	2.647384	28.0	1.263
8	0.226892	2.481356	22.3	1.231
9	0.242491	2.358478	18.6	1.206
10	0.256184	2.263838	16.0	1.187
12	0.279071	2.127518	12.6	1.159
14	0.297421	2.033947	10.5	1.138
16	0.312451	1.963654	9.2	1.123
18	0.324984	1.913560	8.2	1.112
20	0.335593	1.872480	7.5	1.103
25	0.356138	1.799734	6.3	1.086
30	0.370994	1.751984	5.6	1.076
35	0.382216	1.718184	5.1	1.068
40	0.391011	1.692978	4.7	1.063
45	0.398086	1.673444	4.5	1.059
50	0.403900	1.657855	4.3	1.055
55	0.408764	1.645123	4.1	1.052
60	0.412893	1.634525	4.0	1.050

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
20				
1	0.024153	51.743800	35403.5	4.015
2	0.067468	9.452595	886.9	2.041
3	0.108007	5.203574	206.8	1.636
4	0.142976	3.870240	91.4	1.463
5	0.172696	3.238271	53.5	1.367
6	0.198002	2.872722	36.5	1.305
7	0.219699	2.635086	27.4	1.261
8	0.238454	2.468326	21.8	1.230
9	0.254802	2.344830	18.2	1.205
10	0.269164	2.249654	15.6	1.186
12	0.293200	2.112439	12.3	1.157
14	0.312501	2.018138	10.3	1.136
16	0.328334	1.949233	8.9	1.121
18	0.341535	1.896616	7.9	1.110
20	0.352760	1.855082	7.2	1.101
25	0.374497	1.781419	6.1	1.084
30	0.390243	1.732973	5.4	1.073
35	0.402178	1.698626	4.9	1.066
40	0.411538	1.672974	4.5	1.060
45	0.419078	1.653073	4.3	1.056
50	0.425281	1.637176	4.1	1.052
55	0.430475	1.624179	3.9	1.050
60	0.434889	1.613354	3.8	1.047

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25				
1	0.027869	62.058229	33810.2	4.015
2	0.075169	9.462928	859.1	2.041
3	0.119066	5.194296	200.8	1.635
4	0.156868	3.854735	88.7	1.462
5	0.189009	3.219431	51.9	1.365
6	0.216408	2.851616	35.4	1.303
7	0.239936	2.612245	26.5	1.259
8	0.260310	2.444064	21.1	1.227
9	0.278101	2.319358	17.5	1.203
10	0.293760	2.223125	15.0	1.183
12	0.320034	2.084123	11.8	1.154
14	0.341205	1.988348	9.8	1.133
16	0.358627	1.918194	8.5	1.118
18	0.373218	1.864499	7.6	1.106
20	0.385613	1.822202	6.9	1.097
25	0.409773	1.746436	5.7	1.080
30	0.427361	1.696511	5.0	1.069
35	0.440751	1.660984	4.6	1.062
40	0.451290	1.634371	4.2	1.056
45	0.459806	1.613668	4.0	1.051
50	0.466832	1.597092	3.8	1.048
55	0.472728	1.583513	3.7	1.045
60	0.477748	1.572182	3.5	1.043

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
30				
1	0.030532	62.268766	32987.1	4.015
2	0.080584	9.469779	844.5	2.041
3	0.126809	5.187936	197.6	1.635
4	0.166586	3.844127	87.3	1.461
5	0.200425	3.206509	51.0	1.364
6	0.229303	2.837099	34.8	1.302
7	0.254131	2.596488	26.0	1.258
8	0.275662	2.427280	20.7	1.226
9	0.294491	2.301689	17.1	1.201
10	0.311087	2.204675	14.7	1.182
12	0.338993	2.064338	11.5	1.152
14	0.361541	1.967447	9.6	1.132
16	0.380145	1.896335	8.3	1.116
18	0.395763	1.841805	7.3	1.104
20	0.409066	1.798589	6.7	1.095
25	0.435069	1.721484	5.5	1.078
30	0.454087	1.670368	4.8	1.067
35	0.468620	1.633881	4.4	1.059
40	0.480096	1.606474	4.1	1.053
45	0.489394	1.585104	3.9	1.049
50	0.497083	1.567959	3.8	1.045
55	0.503550	1.553889	3.5	1.042
60	0.509065	1.542130	3.4	1.040

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35				
1	0.032527	62.419594	32503.6	4.014
2	0.084590	9.474654	835.8	2.041
3	0.132522	5.183306	195.7	1.635
4	0.173756	3.836412	86.4	1.461
5	0.208852	3.197095	50.5	1.364
6	0.238829	2.826500	34.4	1.301
7	0.264630	2.584960	25.7	1.258
8	0.287029	2.414974	20.4	1.225
9	0.306640	2.288709	16.9	1.200
10	0.323947	2.191096	14.5	1.181
12	0.353097	2.049725	11.3	1.151
14	0.376703	1.951960	9.4	1.131
16	0.396221	1.880093	8.1	1.115
18	0.412639	1.824898	7.2	1.103
20	0.426650	1.781091	6.5	1.094
25	0.454118	1.702753	5.4	1.076
30	0.474283	1.650659	4.7	1.065
35	0.489742	1.613375	4.3	1.057
40	0.501983	1.585304	3.9	1.051
45	0.511925	1.563372	3.7	1.047
50	0.520165	1.545744	3.5	1.043
55	0.527108	1.531254	3.4	1.040
60	0.533040	1.519127	3.2	1.038

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
40			32	
1	0.034073	62.532957	198.9	4.014
2	0.087670	9.478299	830.3	2.040
3	0.136909	5.179785	194.5	1.634
4	0.179260	3.830549	85.8	1.461
5	0.215323	3.189932	50.2	1.363
6	0.246150	2.818422	34.1	1.301
7	0.272706	2.576159	25.5	1.257
8	0.295781	2.405564	20.2	1.225
9	0.316004	2.278768	16.8	1.200
10	0.333867	2.180682	14.3	1.180
12	0.363997	2.033487	11.2	1.151
14	0.388442	1.940020	9.3	1.130
16	0.408690	1.867541	8.0	1.114
18	0.425751	1.811805	7.1	1.102
20	0.440333	1.767515	6.4	1.093
25	0.468991	1.688158	5.3	1.075
30	0.490098	1.635248	4.6	1.064
35	0.506325	1.597292	4.2	1.056
40	0.519206	1.568657	3.9	1.050
45	0.529690	1.546243	3.6	1.046
50	0.538396	1.528199	3.4	1.042
55	0.545743	1.513347	3.3	1.039
60	0.552031	1.500899	3.1	1.036

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45			31	
1	0.035305	62.621270	990.8	4.014
2	0.090111	9.481127	826.5	2.040
3	0.140381	5.177017	193.6	1.634
4	0.183616	3.825942	85.5	1.460
5	0.220448	3.184298	49.9	1.363
6	0.251951	2.812061	34.0	1.301
7	0.279109	2.569219	25.3	1.257
8	0.302726	2.398136	20.1	1.224
9	0.323440	2.270911	16.7	1.200
10	0.341752	2.172440	14.2	1.180
12	0.372675	2.029574	11.1	1.150
14	0.397802	1.930531	9.2	1.129
16	0.418646	1.857547	7.9	1.114
18	0.436233	1.801362	7.0	1.101
20	0.451287	1.756668	6.4	1.092
25	0.480932	1.676456	5.2	1.075
30	0.502828	1.622855	4.6	1.063
35	0.519703	1.584324	4.1	1.055
40	0.533128	1.555204	3.8	1.049
45	0.544076	1.532374	3.6	1.045
50	0.553181	1.513969	3.4	1.041
55	0.560879	1.498759	3.2	1.038
60	0.567474	1.486071	3.1	1.035

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
50			31844.1	4.014
1	0.036309	62.692010	823.8	2.040
2	0.092092	9.483386	193.0	1.634
3	0.143196	5.174784	85.2	1.460
4	0.187149	3.822228	49.8	1.363
5	0.224606	3.179751	33.8	1.300
6	0.256661	2.806922	25.2	1.257
7	0.284311	2.563607	20.0	1.224
8	0.308371	2.392122	16.6	1.199
9	0.329488	2.264544	14.2	1.179
10	0.348169	2.165755	11.1	1.150
12	0.379746	2.022331	9.2	1.129
14	0.405439	1.922807	7.9	1.113
16	0.426779	1.849399	7.0	1.101
18	0.444807	1.792836	6.3	1.091
20	0.460256	1.747800	5.2	1.074
25	0.490735	1.666860	4.5	1.063
30	0.513302	1.612665	4.1	1.054
35	0.530732	1.573639	3.8	1.048
40	0.544625	1.544096	3.5	1.044
45	0.555974	1.520903	3.3	1.040
50	0.565428	1.502180	3.2	1.037
55	0.573431	1.486730	3.0	1.035
60	0.580297	1.473754		

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55			31736.0	4.014
1	0.037144	62.749947	821.8	2.040
2	0.093732	9.485231	192.6	1.634
3	0.145526	5.172944	85.0	1.460
4	0.190072	3.819170	49.6	1.363
5	0.228047	3.176005	33.7	1.300
6	0.260559	2.802684	25.2	1.256
7	0.288619	2.558975	20.0	1.224
8	0.313050	2.387154	16.5	1.199
9	0.334504	2.259279	14.1	1.179
10	0.353494	2.160223	11.0	1.149
12	0.385620	2.016328	9.1	1.128
14	0.411739	1.916397	7.9	1.113
16	0.433549	1.842628	7.0	1.101
18	0.451951	1.785742	6.3	1.091
20	0.467736	1.740413	5.2	1.074
25	0.498929	1.658846	4.5	1.062
30	0.522075	1.604135	4.0	1.054
35	0.539985	1.564676	3.7	1.048
40	0.554286	1.534763	3.5	1.043
45	0.565986	1.511249	3.3	1.039
50	0.575746	1.492245	3.1	1.036
55	0.584019	1.476547	3.0	1.034
60	0.591124	1.463349		

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
60	1 0.037848	62.798268	31654.6	4.014
	2 0.095111	9.486766	820.3	2.040
	3 0.147484	5.171403	192.3	1.634
	4 0.192530	3.816607	84.8	1.460
	5 0.230941	3.172864	49.5	1.363
	6 0.263840	2.799129	33.7	1.300
	7 0.292246	2.555087	25.1	1.256
	8 0.316990	2.382981	19.9	1.224
	9 0.338730	2.254854	16.5	1.195
10	0.357982	2.155569	14.1	1.179
12	0.390577	2.011272	11.0	1.149
14	0.417133	1.910991	9.1	1.128
16	0.439272	1.836912	7.8	1.113
18	0.457996	1.779746	6.9	1.100
20	0.474071	1.734163	6.2	1.091
25	0.505881	1.652050	5.1	1.073
30	0.529531	1.596887	4.5	1.062
35	0.547862	1.557047	4.0	1.054
40	0.562522	1.526807	3.7	1.047
45	0.574532	1.503008	3.4	1.043
50	0.584564	1.483753	3.3	1.039
55	0.593076	1.467833	3.1	1.036
60	0.600395	1.454436	3.0	1.033

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	161.447639	*	4.012
2	0.0	18.512821	*	2.080
3	0.0	10.127964	*	1.723
4	0.0	7.708647	*	1.585
5	0.0	6.607891	*	1.514
6	0.0	5.987378	*	1.472
7	0.0	5.591448	*	1.444
8	0.0	5.317655	*	1.424
9	0.0	5.117355	*	1.409
10	0.0	4.964603	*	1.397
12	0.0	4.747225	*	1.380
14	0.0	4.600110	*	1.369
16	0.0	4.493898	*	1.361
18	0.0	4.413873	*	1.354
20	0.0	4.351244	*	1.349
25	0.0	4.241699	*	1.340
30	0.0	4.170877	*	1.335
35	0.0	4.121338	*	1.331
40	0.0	4.084746	*	1.328
45	0.0	4.056612	*	1.325
50	0.0	4.034310	*	1.323
55	0.0	4.016195	*	1.322
60	0.0	4.001191	*	1.321

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	199.500000	*	4.007
3	0.0	19.000000	*	2.051
4	0.0	9.552095	*	1.677
5	0.0	6.944272	*	1.530
6	0.0	5.786135	*	1.453
7	0.0	5.143253	*	1.407
8	0.0	4.737414	*	1.375
9	0.0	4.458970	*	1.353
10	0.0	4.256495	*	1.337
12	0.0	4.102821	*	1.324
14	0.0	3.985294	*	1.310
16	0.0	3.888992	*	1.299
18	0.0	3.803723	*	1.288
20	0.0	3.728282	*	1.279
25	0.0	3.55160	*	1.260
30	0.0	3.315330	*	1.235
35	0.0	3.267424	*	1.214
40	0.0	3.231727	*	1.194
45	0.0	3.204317	*	1.174
50	0.0	3.182610	*	1.154
55	0.0	3.164993	*	1.133
60	0.0	3.150411	*	1.112

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESS IVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	1 0.0	21 5.707345	* *	4.006
	2 0.0	1 9.164292	* *	2.040
	3 0.000008	9.276633	1 333332.3	1.657
	4 0.0000025	6.591399	2 440200.5	1.504
	5 0.0000031	5.409485	86369.7	1.423
	6 0.0000093	4.757118	42774.3	1.373
	7 0.0001118	4.346910	25741.7	1.339
	8 0.000153	4.066283	17522.6	1.315
	9 0.000188	3.862674	12962.8	1.297
10	0.000222	3.708413	10168.8	1.283
12	0.000286	3.490486	7045.5	1.262
14	0.000343	3.344117	5409.3	1.248
16	0.000394	3.239134	4431.0	1.237
18	0.000438	3.160200	3791.2	1.229
20	0.000477	3.098710	3344.7	1.223
25	0.000558	2.991613	2666.3	1.211
30	0.000619	2.922690	2290.3	1.204
35	0.000668	2.874633	2055.7	1.196
40	0.000706	2.839216	1891.9	1.195
45	0.000738	2.812036	1774.7	1.192
50	0.000765	2.790518	1686.1	1.190
55	0.000787	2.772052	1616.7	1.188
60	0.000806	2.758616	1561.0	1.186

CONFIDENCE LEVEL=.95
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4	1 0.0	22 4.583241	* *	4.005
	2 0.000313	1 9.246951	1 27712.9	2.034
	3 0.001109	9.117738	1 2228.7	1.645
	4 0.002162	6.389317	1 3586.3	1.487
	5 0.003278	5.193812	1 674.4	1.403
	6 0.004262	4.535867	993.3	1.350
	7 0.005377	4.122013	679.2	1.314
	8 0.006308	3.841023	508.0	1.286
	9 0.007156	3.636686	403.5	1.269
10	0.007927	3.482035	335.5	1.254
12	0.009262	3.263825	253.0	1.231
14	0.010369	3.117467	206.1	1.216
16	0.011298	3.012602	176.4	1.204
18	0.012085	2.933825	156.4	1.195
20	0.012759	2.872502	141.5	1.188
25	0.014083	2.765798	118.3	1.176
30	0.015051	2.697202	104.8	1.168
35	0.015789	2.649411	96.1	1.162
40	0.016370	2.614213	90.0	1.158
45	0.016838	2.587212	85.5	1.154
50	0.017224	2.565846	82.1	1.152
55	0.017546	2.548517	79.3	1.149
60	0.017821	2.534182	77.1	1.148

CONFIDENCE LEVEL=.95
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0	0.161878	*	4.005
1	0.002199	19.297294	22617.3	2.031
2	0.005662	9.015744	2913.0	1.638
3	0.009434	6.259885	981.2	1.477
4	0.013042	5.055636	495.3	1.389
5	0.016333	4.394034	308.8	1.335
6	0.019283	3.979397	218.2	1.298
7	0.021909	3.696454	167.1	1.271
8	0.024248	3.491578	135.3	1.250
9	0.026335	3.336614	113.9	1.234
10	0.028198	3.211811	97.5	1.221
11	0.029881	3.116755	87.3	1.210
12	0.031351	3.038815	78.4	1.199
13	0.032663	2.971679	70.6	1.190
14	0.033855	2.913302	63.7	1.182
15	0.034951	2.862060	57.7	1.175
16	0.035974	2.815127	52.5	1.169
17	0.036939	2.771304	47.9	1.164
18	0.037854	2.726813	43.6	1.159
19	0.038726	2.683133	39.5	1.155
20	0.039551	2.640260	35.6	1.151
21	0.040334	2.598127	32.0	1.147
22	0.041079	2.556799	28.5	1.143
23	0.041789	2.516224	25.2	1.140
24	0.042464	2.476304	22.1	1.137
25	0.043109	2.437006	19.3	1.134
26	0.043726	2.403535	17.0	1.132
27	0.044311	2.389249		

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.000731	233.986245	1915707.8	4.005
1	0.005749	19.331483	10265.1	2.028
2	0.012724	8.945006	1508.8	1.633
3	0.019705	6.169935	538.9	1.469
4	0.026097	4.955943	280.7	1.389
5	0.031779	4.294929	178.3	1.335
6	0.036784	3.873304	127.5	1.298
7	0.041139	3.594376	98.5	1.271
8	0.045077	3.389526	80.4	1.250
9	0.048521	3.234165	67.7	1.234
10	0.051433	3.115161	57.5	1.221
11	0.053902	3.015419	49.3	1.210
12	0.056288	2.926357	43.6	1.199
13	0.058483	2.844478	39.5	1.190
14	0.060590	2.768410	35.6	1.182
15	0.062622	2.697371	32.0	1.175
16	0.064583	2.631104	28.5	1.169
17	0.066471	2.569371	25.2	1.164
18	0.068283	2.511638	22.1	1.159
19	0.069930	2.457800	19.3	1.155
20	0.071413	2.407046	17.0	1.151
21	0.072833	2.359238		
22	0.074193	2.316388		
23	0.075503	2.279393		
24	0.076753	2.248497		

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.001702	236.768992	9652250.0	4.004
1	0.010165	19.356225	66552.4	2.026
2	0.020654	8.892956	1048.5	.629
3	0.030698	6.103545	385.7	.464
4	0.039693	4.888024	200.9	.374
5	0.047588	4.221254	130.6	.318
6	0.054486	3.803850	93.8	.279
7	0.060524	3.519169	72.7	.250
8	0.065830	3.313117	59.2	.229
9	0.070517	3.157305	50.1	.212
10	0.074839	2.937657	38.7	.186
11	0.084745	2.790468	32.1	.165
12	0.089953	2.635072	27.7	.156
14	0.094297	2.605931	24.7	.146
16	0.097973	2.544343	22.5	.138
18	0.105078	2.437214	18.9	.124
20	0.110194	2.368367	16.0	.111
25	0.117404	2.320409	13.5	.100
30	0.117058	2.285090	11.4	.093
40	0.119470	2.257999	10.3	.090
50	0.122144	2.236561	10.3	.096
55	0.122309	2.219175	10.3	.094
60	0.124449	2.204791	10.4	.092

CONFIDENCE LEVEL = .95
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.002959	238.883450	633712.6	4.004
1	0.014819	19.374916	5098.6	2.025
2	0.028520	8.852961	937.3	.627
3	0.041306	6.052383	513.1	.461
4	0.052616	4.832383	316.6	.370
5	0.062474	4.164188	107.2	.313
6	0.071050	3.745563	77.2	.272
7	0.078535	3.460076	59.3	.244
8	0.085101	3.253423	48.8	.225
9	0.090893	3.097143	41.2	.205
10	0.100620	2.876790	31.9	.179
11	0.108444	2.729082	26.3	.161
12	0.114860	2.623283	22.7	.148
14	0.120211	2.543315	20.2	.138
16	0.124737	2.481956	18.4	.130
18	0.133433	2.374311	15.5	.115
20	0.139781	2.305095	13.7	.106
25	0.144528	2.256859	12.5	.099
30	0.148232	2.221322	11.7	.094
40	0.151203	2.194056	11.1	.090
45	0.153363	2.172474	11.0	.087
50	0.153568	2.154967	10.3	.085
55	0.153668	2.140480	10.0	.083
60	0.157389			

CONFIDENCE LEVEL = .95
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0043364	240.544259	479845.4	4.004
1	0.00193365	19.389503	4276.9	2.024
2	0.0035914	8.821216	720.9	1.625
3	0.0051110	6.011672	272.2	1.458
4	0.0064430	4.788881	145.6	1.367
5	0.0076030	4.118495	93.8	1.309
6	0.0086081	3.688810	67.5	1.265
7	0.0094842	3.412571	52.3	1.240
8	0.0102520	3.205345	42.6	1.217
10	0.0109390	3.043598	36.0	1.200
12	0.0112065	2.827525	27.9	1.174
14	0.0113723	2.679372	22.9	1.156
16	0.0114354	2.573039	19.8	1.142
18	0.0114883	2.493215	17.7	1.132
20	0.0115390	2.431057	15.5	1.125
25	0.0116642	2.322833	13.3	1.109
30	0.0117193	2.253199	11.9	1.099
35	0.0117631	2.204644	10.9	1.092
40	0.0117979	2.168856	10.0	1.087
45	0.0118265	2.141387	9.6	1.084
50	0.0118503	2.119638	9.1	1.080
55	0.0118704	2.101990	8.8	1.078
60	0.0118704	2.087384	8.6	1.076

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.005817	241.882972	395566.6	4.004
1	0.0023645	19.401183	3783.8	2.024
2	0.0042697	8.795381	648.9	1.624
3	0.0060002	5.978473	246.6	1.456
4	0.0075120	4.752907	132.2	1.365
5	0.0088213	4.081049	85.2	1.306
6	0.0099562	3.660411	61.4	1.266
7	0.0109448	3.373478	47.5	1.236
8	0.0118109	3.165707	38.7	1.214
10	0.0125746	3.008513	32.7	1.196
12	0.0133566	2.786732	25.1	1.170
14	0.0143832	2.637933	20.7	1.151
16	0.0157346	2.531259	17.8	1.137
18	0.0164408	2.451068	15.8	1.127
20	0.0170386	2.388599	14.3	1.119
25	0.0181953	2.279771	11.9	1.104
30	0.0190294	2.209694	10.9	1.094
35	0.0196589	2.160800	9.6	1.087
40	0.0201506	2.124745	9.0	1.082
45	0.0205453	2.097058	8.5	1.078
50	0.0208690	2.075129	8.1	1.075
55	0.0211393	2.057330	7.8	1.072
60	0.0213683	2.042594	7.6	1.070

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
12	1 0.008637	243.907616	309788.3	4.004
	2 0.031222	19.418689	3238.2	2.023
	3 0.054414	8.755836	567.1	1.622
	4 0.075201	5.927531	217.0	1.454
	5 0.093265	4.697534	116.6	1.361
	6 0.108871	4.023239	75.2	1.302
	7 0.122388	3.600969	54.1	1.262
	8 0.134159	3.312811	41.8	1.232
	9 0.144476	3.104057	34.0	1.205
	10 0.153577	2.946039	28.6	1.191
	12 0.168870	2.722927	22.0	1.164
	14 0.181192	2.573079	18.0	1.145
	16 0.191318	2.465545	15.4	1.131
	18 0.199778	2.384633	13.7	1.120
	20 0.206950	2.321547	12.4	1.112
	25 0.220850	2.211504	10.3	1.096
	30 0.230899	2.140328	9.0	1.086
	35 0.238496	2.090941	8.2	1.079
	40 0.244441	2.054334	7.6	1.074
	45 0.249219	2.026198	7.2	1.070
	50 0.253141	2.003854	6.9	1.067
	55 0.256420	1.985779	6.6	1.064
	60 0.259200	1.970774	6.4	1.062

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14	1 0.011187	245.365808	268383.3	4.004
	2 0.037548	19.421156	2954.1	2.022
	3 0.063978	8.726964	523.3	1.621
	4 0.087502	5.890237	260.9	1.453
	5 0.107891	4.656357	108.0	1.355
	6 0.125493	3.980629	69.6	1.300
	7 0.140740	3.557019	50.0	1.259
	8 0.154025	3.267327	38.6	1.228
	9 0.165676	3.058223	31.3	1.205
	10 0.175964	2.899482	26.4	1.187
	12 0.193273	2.675178	20.1	1.160
	14 0.207246	2.524371	16.5	1.141
	16 0.218747	2.416040	14.1	1.126
	18 0.228373	2.334451	12.4	1.115
	20 0.236543	2.270782	11.2	1.107
	25 0.252415	2.159577	9.1	1.091
	30 0.263918	2.087731	8.1	1.081
	35 0.272634	2.037466	7.3	1.074
	40 0.279466	2.000316	6.8	1.069
	45 0.284964	1.971734	6.4	1.065
	50 0.289485	1.949060	6.1	1.061
	55 0.293266	1.932063	5.9	1.059
	60 0.296476	1.915354	5.7	1.057

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
16				
1	0.013421	246.465937	245097.0	4.004
2	0.042812	19.440474	2785.4	2.022
3	0.071835	8.704944	496.8	1.620
4	0.097556	5.861737	191.1	1.451
5	0.119822	4.625686	102.8	1.358
6	0.139042	3.947889	66.1	1.298
7	0.155699	3.523164	47.5	1.257
8	0.170224	3.233094	36.6	1.226
9	0.182974	3.022759	29.7	1.203
10	0.194242	2.863385	24.9	1.184
12	0.213228	2.638026	19.0	1.157
14	0.228582	2.486358	15.5	1.138
16	0.241242	2.377304	13.2	1.123
18	0.251855	2.295096	11.6	1.112
20	0.260876	2.230890	10.5	1.103
25	0.278438	2.118604	8.6	1.088
30	0.291201	2.045938	7.5	1.077
35	0.300893	1.995031	6.8	1.070
40	0.308502	1.957363	6.3	1.065
45	0.314636	1.928354	5.9	1.061
50	0.319684	1.905321	5.6	1.057
55	0.323913	1.886587	5.4	1.055
60	0.327505	1.871049	5.2	1.052

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18				
1	0.015361	247.325394	230413.7	4.004
2	0.047224	19.447657	2676.4	2.022
3	0.078363	8.687592	479.5	1.620
4	0.105885	5.839241	184.6	1.450
5	0.129694	4.601027	99.2	1.357
6	0.150252	3.921932	63.8	1.297
7	0.168079	3.496267	45.8	1.255
8	0.183637	3.205446	35.2	1.225
9	0.197306	2.994477	28.5	1.201
10	0.209398	2.834552	24.0	1.183
12	0.229799	2.608261	18.2	1.155
14	0.246328	2.455824	14.9	1.135
16	0.259980	2.346119	12.6	1.121
18	0.271441	2.263349	11.1	1.110
20	0.281197	2.198651	10.0	1.101
25	0.300228	2.085370	8.2	1.085
30	0.314095	2.011944	7.1	1.074
35	0.324648	1.960435	6.4	1.067
40	0.332948	1.922279	5.9	1.062
45	0.339647	1.892867	5.5	1.057
50	0.345169	1.869494	5.3	1.054
55	0.349798	1.850470	5.0	1.051
60	0.353735	1.834682	4.9	1.049

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
20				
1	0.017044	248.015333	220652.1	4.004
2	0.050958	19.453458	2601.5	2.022
3	0.083855	8.673564	467.5	1.619
4	0.112876	5.821029	180.1	1.450
5	0.137976	4.581028	96.8	1.356
6	0.159657	3.900841	62.2	1.296
7	0.178471	3.474375	44.6	1.254
8	0.194903	3.183906	34.3	1.224
9	0.209353	2.971385	27.7	1.200
10	0.222146	2.810976	23.2	1.181
12	0.243760	2.583861	17.7	1.153
14	0.261300	2.430736	14.3	1.134
16	0.275809	2.320444	12.2	1.119
18	0.288008	2.237166	10.7	1.108
20	0.298406	2.172022	9.6	1.099
25	0.318729	2.057828	7.8	1.083
30	0.333574	1.983700	6.8	1.072
35	0.344893	1.931631	6.1	1.065
40	0.353812	1.893019	5.6	1.059
45	0.361021	1.863227	5.3	1.055
50	0.366969	1.839334	5.0	1.052
55	0.371962	1.820236	4.8	1.049
60	0.376212	1.804210	4.6	1.047

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25				
1	0.020379	249.262493	206525.2	4.004
2	0.058148	19.463783	2491.3	2.021
3	0.094355	8.647976	449.6	1.619
4	0.126216	5.787751	173.3	1.449
5	0.153774	4.544395	93.1	1.355
6	0.177605	3.862115	59.7	1.295
7	0.198313	3.434084	42.7	1.253
8	0.216441	3.141331	32.8	1.222
9	0.232410	2.928704	26.5	1.198
10	0.246574	2.767315	22.2	1.179
12	0.270572	2.538511	16.8	1.151
14	0.290118	2.383963	13.6	1.131
16	0.306342	2.272444	11.5	1.116
18	0.320026	2.188092	10.1	1.105
20	0.331723	2.121998	9.0	1.095
25	0.354688	2.005845	7.3	1.079
30	0.371556	1.930187	6.3	1.068
35	0.384479	1.876889	5.7	1.061
40	0.394700	1.837266	5.2	1.055
45	0.402990	1.806628	4.9	1.051
50	0.409849	1.773216	4.6	1.047
55	0.415620	1.762299	4.4	1.045
60	0.420544	1.745736	4.2	1.042

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
30	1 0.022826	25 0.097660	19 440.6	4.004
	2 0.063280	19.470631	2433.7	2.021
	3 0.101803	8.630669	440.2	1.618
	4 0.135662	5.765198	169.7	1.448
	5 0.164961	4.519501	91.1	1.354
	6 0.190326	3.835727	58.4	1.294
	7 0.212401	3.406556	41.7	1.252
	8 0.231746	3.112854	32.0	1.221
	9 0.248816	2.899399	25.8	1.197
	10 0.263983	2.737269	21.6	1.178
	12 0.289736	2.507172	16.3	1.149
	14 0.310774	2.351519	13.2	1.129
	16 0.328286	2.239036	11.1	1.114
	18 0.343094	2.153332	9.7	1.103
	20 0.355784	2.086979	8.7	1.093
	25 0.380789	1.969238	7.0	1.077
	30 0.399244	1.892321	6.0	1.066
	35 0.413439	1.837998	5.4	1.058
	40 0.424705	1.797525	4.9	1.053
	45 0.433868	1.766168	4.6	1.048
	50 0.441471	1.741141	4.3	1.045
	55 0.447382	1.720632	4.1	1.042
	60 0.453362	1.703662	4.0	1.040

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35	1 0.024685	25 0.696016	19 5235.2	4.004
	2 0.067114	19.475504	2399.8	2.021
	3 0.107346	8.618183	434.5	1.618
	4 0.142687	5.748904	167.5	1.448
	5 0.173284	4.501481	89.9	1.354
	6 0.199796	3.816586	57.6	1.293
	7 0.222896	3.386549	41.1	1.251
	8 0.243164	3.092119	31.5	1.220
	9 0.261072	2.878023	25.4	1.196
	10 0.277002	2.715314	21.2	1.177
	12 0.304102	2.484201	16.0	1.148
	14 0.326295	2.327669	12.9	1.128
	16 0.344811	2.214413	10.9	1.113
	18 0.360502	2.128520	9.5	1.101
	20 0.373975	2.061048	8.5	1.092
	25 0.400607	1.942002	6.8	1.076
	30 0.420343	1.864036	5.9	1.065
	35 0.435576	1.808852	5.2	1.057
	40 0.447703	1.767655	4.8	1.051
	45 0.457592	1.735684	4.4	1.046
	50 0.465815	1.710127	4.2	1.043
	55 0.472764	1.689216	4.0	1.040
	60 0.478714	1.671781	3.8	1.038

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
40 1	0.026140	251.145764	192603.0	4.004
2	0.070082	19.479148	2378.1	2.021
3	0.111627	8.608749	430.9	1.618
4	0.148110	5.736580	166.1	1.448
5	0.179710	4.487831	89.1	1.353
6	0.207114	3.802066	57.1	1.293
7	0.231013	3.371350	40.7	1.251
8	0.252003	3.076342	31.2	1.220
9	0.270568	2.861736	25.1	1.195
10	0.287101	2.698565	21.0	1.176
12	0.315268	2.466632	15.8	1.148
14	0.338381	2.309386	12.7	1.128
16	0.357702	2.195497	10.7	1.112
18	0.374104	2.109038	9.4	1.101
20	0.388213	2.041054	8.3	1.091
25	0.416175	1.920918	6.7	1.074
30	0.436969	1.842068	5.7	1.063
35	0.453068	1.786150	5.1	1.056
40	0.465917	1.744334	4.7	1.050
45	0.476419	1.711832	4.3	1.045
50	0.485171	1.685815	4.1	1.042
55	0.492579	1.664501	3.9	1.039
60	0.498933	1.646710	3.7	1.036

CONFIDENCE LEVEL=.95
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45 1	0.027309	251.496148	190838.7	4.004
2	0.072445	19.481977	2363.3	2.021
3	0.115030	8.601370	428.4	1.618
4	0.152420	5.726932	165.1	1.448
5	0.184820	4.477133	88.5	1.353
6	0.212936	3.790672	56.7	1.293
7	0.237476	3.359409	40.5	1.250
8	0.259046	3.063935	31.0	1.215
9	0.278141	2.848913	24.9	1.195
10	0.295160	2.685363	20.9	1.176
12	0.324194	2.452756	15.7	1.147
14	0.348058	2.294919	12.6	1.127
16	0.368039	2.180504	10.6	1.112
18	0.385028	2.093571	9.3	1.100
20	0.399662	2.025157	8.2	1.091
25	0.428733	1.904099	6.6	1.074
30	0.450416	1.824494	5.7	1.063
35	0.467248	1.767944	5.0	1.055
40	0.480713	1.725591	4.6	1.049
45	0.491743	1.692626	4.2	1.044
50	0.500950	1.666206	4.0	1.041
55	0.508756	1.644538	3.8	1.038
60	0.515462	1.626433	3.6	1.035

CONFIDENCE LEVEL=.95
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
50 1	0.028267	251.776818	189608.4	4.004
2	0.074371	19.484235	2352.8	2.021
3	0.117799	8.595441	426.7	1.618
4	0.155927	5.719175	164.5	1.448
5	0.188979	4.468523	88.2	1.353
6	0.217677	3.781493	56.4	1.293
7	0.242741	3.349780	40.3	1.250
8	0.264783	3.053920	30.8	1.219
9	0.284320	2.838553	24.8	1.195
10	0.301741	2.674689	20.7	1.176
12	0.331492	2.441517	15.6	1.147
14	0.355981	2.283184	12.5	1.127
16	0.376512	2.168324	10.6	1.111
18	0.393993	2.080989	9.2	1.100
20	0.409070	2.012210	8.2	1.090
25	0.439079	1.830361	6.5	1.073
30	0.461521	1.810104	5.6	1.062
35	0.478983	1.753006	5.0	1.054
40	0.492931	1.710184	4.5	1.048
45	0.504468	1.676813	4.2	1.043
50	0.514073	1.650037	3.9	1.040
55	0.522228	1.623054	3.7	1.037
60	0.529243	1.609669	3.5	1.034

CONFIDENCE LEVEL = .95
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55 1	0.029066	252.006697	188678.2	4.004
2	0.075970	19.486080	2345.1	2.021
3	0.120096	8.590572	425.4	1.618
4	0.158835	5.712801	164.0	1.448
5	0.192429	4.461443	87.9	1.353
6	0.221612	3.773940	56.3	1.292
7	0.247114	3.341351	40.1	1.250
8	0.269559	3.045666	30.7	1.219
9	0.289456	2.830009	24.7	1.195
10	0.307214	2.665879	20.6	1.175
12	0.337569	2.432229	15.5	1.147
14	0.362586	2.273473	12.5	1.126
16	0.383585	2.158232	10.5	1.111
18	0.401484	2.070552	9.1	1.099
20	0.416939	2.001457	8.1	1.090
25	0.447752	1.878925	6.5	1.073
30	0.470850	1.798100	5.5	1.061
35	0.488859	1.740520	4.9	1.053
40	0.503323	1.697235	4.5	1.047
45	0.515311	1.663554	4.1	1.043
50	0.525166	1.636462	3.9	1.039
55	0.533631	1.614199	3.7	1.036
60	0.540921	1.595563	3.5	1.034

CONFIDENCE LEVEL = .95
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.029742	252.198426	187968.9	4.004
1	0.077318	19.487615	2339.2	2.021
2	0.122031	8.586503	424.4	1.618
3	0.161286	5.707472	163.6	1.447
4	0.195337	4.455520	87.7	1.353
5	0.224929	3.767616	56.1	1.292
6	0.250802	3.335207	40.0	1.250
7	0.273586	3.038746	30.6	1.219
8	0.293794	2.822841	24.6	1.194
9	0.311839	2.658483	20.5	1.175
10	0.342709	2.424422	15.4	1.147
12	0.368177	2.265301	12.4	1.126
14	0.389578	2.149732	10.4	1.111
16	0.407837	2.061753	9.1	1.099
18	0.423618	1.992383	8.1	1.089
20	0.455130	1.869253	6.5	1.072
25	0.473800	1.787929	5.5	1.061
30	0.497289	1.729924	4.9	1.053
35	0.512163	1.686321	4.4	1.047
40	0.524406	1.652270	4.1	1.042
45	0.534673	1.624895	3.8	1.039
50	0.543413	1.602380	3.6	1.036
55	0.550948	1.583519	3.5	1.033
60				

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
1 1	0.0	647.789011	*	4.003
1 2	0.0	38.506329	*	2.039
1 3	0.0	17.443443	*	1.667
1 4	0.0	12.217863	*	1.524
1 5	0.0	10.006982	*	1.451
1 6	0.0	8.813101	*	1.407
1 7	0.0	8.072569	*	1.378
1 8	0.0	7.570882	*	1.355
1 9	0.0	7.209283	*	1.342
1 10	0.0	6.936728	*	1.331
1 12	0.0	6.553769	*	1.314
1 14	0.0	6.297939	*	1.302
1 16	0.0	6.115127	*	1.294
1 18	0.0	5.978052	*	1.288
1 20	0.0	5.871494	*	1.283
1 25	0.0	5.686366	*	1.274
1 30	0.0	5.567335	*	1.268
1 35	0.0	5.484820	*	1.264
1 40	0.0	5.422937	*	1.261
1 45	0.0	5.377254	*	1.259
1 50	0.0	5.340323	*	1.257
1 55	0.0	5.310379	*	1.255
1 60	0.0	5.285611	*	1.253

CONFIDENCE LEVEL = .975
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2 1	0.0	799.500000	*	4.002
2 2	0.0	39.000000	*	2.025
2 3	0.0	16.044106	*	1.642
2 4	0.0	10.649111	*	1.491
2 5	0.0	8.423362	*	1.413
2 6	0.0	7.259356	*	1.366
2 7	0.0	6.541520	*	1.334
2 8	0.0	6.059467	*	1.312
2 9	0.0	5.714705	*	1.295
2 10	0.0	5.456356	*	1.283
2 12	0.0	5.095367	*	1.254
2 14	0.0	4.856698	*	1.252
2 16	0.0	4.686665	*	1.243
2 18	0.0	4.559672	*	1.235
2 20	0.0	4.461256	*	1.230
2 25	0.0	4.290932	*	1.214
2 30	0.0	4.182061	*	1.210
2 35	0.0	4.106496	*	1.210
2 40	0.0	4.050992	*	1.206
2 45	0.0	4.008502	*	1.204
2 50	0.0	3.974931	*	1.202
2 55	0.0	3.947739	*	1.200
2 60	0.0	3.925255	*	1.199

CONFIDENCE LEVEL = .975
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3 1	0.0	864.162973	*	4.002
2	0.0	399.165495	*	2.020
3	0.0	15.439132	*	1.631
4	0.0	9.579199	*	1.476
5	0.000007	7.763594	788642.5	1.394
6	0.000013	6.598807	339212.0	1.344
7	0.000020	5.889832	184228.9	1.311
8	0.000027	5.415981	116278.1	1.287
9	0.000035	5.078142	81010.0	1.270
10	0.000043	4.825650	60561.0	1.256
12	0.000058	4.474223	39037.1	1.236
14	0.000071	4.241775	28446.5	1.222
16	0.000084	4.076879	22406.5	1.212
18	0.000096	3.953927	18591.9	1.204
20	0.000106	3.858769	16003.1	1.198
25	0.000128	3.694358	12202.5	1.187
30	0.000144	3.589455	10174.4	1.181
35	0.000158	3.516736	8929.8	1.176
40	0.000169	3.463372	8095.9	1.172
45	0.000178	3.422549	7499.8	1.169
50	0.000186	3.390312	7053.3	1.167
55	0.000192	3.364213	6708.2	1.165
60	0.000198	3.342651	6432.7	1.164

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4 1	0.0	899.583310	*	4.001
2	0.000078	39.248457	1024589.2	2.012
3	0.000349	15.101153	61819.0	1.624
4	0.000762	9.604911	14390.9	1.466
5	0.001238	7.388505	5844.8	1.382
6	0.001726	6.228025	3159.2	1.330
7	0.002199	5.523696	2018.3	1.295
8	0.002646	5.053958	1434.4	1.270
9	0.003062	4.719613	1095.9	1.251
10	0.003447	4.470069	881.4	1.236
12	0.004126	4.123277	632.9	1.214
14	0.004701	3.894272	497.8	1.199
16	0.005191	3.732020	414.9	1.188
18	0.005611	3.611158	359.6	1.180
20	0.005974	3.517691	320.3	1.173
25	0.006695	3.356367	259.9	1.162
30	0.007230	3.253552	225.7	1.154
35	0.007641	3.182338	203.8	1.149
40	0.007966	3.130110	188.8	1.145
45	0.008230	3.090175	177.8	1.141
50	0.008448	3.058652	169.4	1.139
55	0.008632	3.033139	162.9	1.137
60	0.008788	3.012067	157.6	1.135

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5				
1	0.0	921.847903	*	4.001
2	0.000866	39.298575	115206.4	2.016
3	0.002588	14.885863	10164.5	1.620
4	0.004644	9.366342	2833.4	1.459
5	0.006713	7.149091	1275.6	1.373
6	0.008664	5.991067	736.3	1.319
7	0.010454	5.289467	492.00	1.283
8	0.012077	4.822166	361.2	1.257
9	0.013542	4.489899	282.8	1.237
10	0.014865	4.242111	231.8	1.221
12	0.017141	3.898087	171.1	1.199
14	0.019020	3.671141	137.0	1.183
16	0.020589	3.510473	115.7	1.171
18	0.021916	3.390864	101.3	1.162
20	0.023051	3.298413	91.00	1.155
25	0.025276	3.133944	74.8	1.143
30	0.026901	3.037385	65.4	1.134
35	0.028138	2.967077	59.5	1.129
40	0.029111	2.915535	55.3	1.124
45	0.029895	2.876136	52.2	1.121
50	0.030541	2.845044	49.9	1.118
55	0.031082	2.819384	48.1	1.116
60	0.031541	2.799108	46.6	1.114

CONFIDENCE LEVEL=.975
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6				
1	0.0	937.111084	*	4.001
2	0.002825	39.332408	42122.0	2.015
3	0.006968	14.737077	4424.0	1.617
4	0.011338	9.201186	1335.1	1.454
5	0.015593	6.983025	627.8	1.366
6	0.019403	5.826402	372.1	1.312
7	0.022826	5.126430	253.1	1.274
8	0.025880	4.660589	198.1	1.247
9	0.028603	4.329562	148.5	1.227
10	0.031038	4.082317	122.3	1.211
12	0.035188	3.740418	91.2	1.187
14	0.038573	3.514665	73.4	1.171
16	0.041390	3.354903	62.2	1.156
18	0.043755	3.236004	54.5	1.149
20	0.045770	3.144123	49.1	1.142
25	0.049698	2.985580	40.4	1.129
30	0.052553	2.884804	35.4	1.120
35	0.054719	2.814984	32.2	1.114
40	0.056417	2.763805	30.0	1.110
45	0.057734	2.724699	28.3	1.106
50	0.058908	2.695323	27.0	1.104
55	0.059847	2.668847	26.0	1.101
60	0.060645	2.648224	25.2	1.099

CONFIDENCE LEVEL=.975
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0	948.216889	*	4.001
1	0.0005681	39.356861	24167.6	2.014
2	0.012556	14.628099	2790.0	1.615
3	0.019468	9.079931	877.4	1.451
4	0.025833	6.860803	421.6	1.362
5	0.0315226	5.704938	253.1	1.306
6	0.036571	5.005922	173.4	1.268
7	0.041036	4.540943	129.5	1.241
8	0.044996	4.210641	102.6	1.220
9	0.048521	3.964497	84.8	1.203
10	0.054502	3.623013	63.3	1.179
11	0.059367	3.397912	51.0	1.162
12	0.063390	3.238629	43.0	1.150
13	0.066767	3.120094	37.9	1.140
14	0.069638	3.038498	34.1	1.132
15	0.075226	2.870549	28.0	1.119
16	0.079279	2.769985	24.5	1.110
17	0.082351	2.700377	22.3	1.104
18	0.084757	2.649353	20.7	1.099
19	0.086692	2.610352	19.5	1.096
20	0.088282	2.579576	18.6	1.093
25	0.089611	2.554673	17.9	1.090
30	0.090733	2.534108	17.4	1.088

CONFIDENCE LEVEL=.975
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.0	956.656221	*	4.001
1	0.0008997	39.375353	17168.2	2.013
2	0.018548	14.544775	2097.7	1.613
3	0.027818	8.986995	675.6	1.448
4	0.036209	6.766895	328.5	1.359
5	0.043642	5.611400	198.4	1.303
6	0.050189	4.912930	136.5	1.264
7	0.055960	4.448446	102.1	1.236
8	0.061063	4.119352	81.0	1.215
9	0.065596	3.872737	67.0	1.198
10	0.073273	3.531731	50.0	1.173
11	0.079505	3.306944	40.0	1.156
12	0.084653	3.147875	34.1	1.143
13	0.088970	3.029489	29.9	1.133
14	0.092640	2.937999	26.8	1.125
15	0.099777	2.780207	22.0	1.111
16	0.104953	2.679720	19.2	1.102
17	0.108873	2.610151	17.4	1.096
18	0.111944	2.559146	16.1	1.091
19	0.114414	2.520154	15.2	1.087
20	0.116443	2.489331	14.5	1.084
25	0.118140	2.464477	13.9	1.082
30	0.119579	2.443909	13.5	1.080

CONFIDENCE LEVEL=.975
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0	963.284579	*	4.001
1	0.012452	39.339805	13690.1	2.013
2	0.024479	14.478956	1735.0	1.612
3	0.035894	8.913417	567.0	1.446
4	0.046118	6.692378	277.6	1.356
5	0.055123	5.537019	168.2	1.300
6	0.063028	4.839840	115.9	1.261
7	0.069980	4.374623	86.8	1.232
8	0.076119	4.044939	68.8	1.211
10	0.081568	3.799283	56.9	1.193
12	0.090787	3.458481	42.4	1.168
14	0.098268	3.233797	34.1	1.151
16	0.104445	3.074775	28.8	1.138
18	0.109626	2.956402	25.5	1.128
20	0.114030	2.864906	22.6	1.120
25	0.122597	2.707059	18.5	1.105
30	0.128811	2.606499	16.1	1.096
35	0.133320	2.536857	14.6	1.090
40	0.137210	2.485784	13.5	1.085
45	0.140179	2.446732	12.7	1.081
50	0.142619	2.415904	12.1	1.078
55	0.144638	2.390932	11.6	1.076
60	0.146389	2.370342	11.2	1.074

CONFIDENCE LEVEL=.975
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0	968.627443	*	4.001
1	0.015856	39.401357	11688.9	2.012
2	0.030120	14.425522	1518.5	1.611
3	0.043437	8.853677	501.0	1.445
4	0.055323	6.631750	246.3	1.354
5	0.065737	5.476386	149.5	1.307
6	0.074839	4.778339	103.1	1.258
7	0.082874	4.314242	77.2	1.230
8	0.089948	3.984643	61.2	1.207
9	0.096224	3.739039	50.5	1.190
10	0.106840	3.598256	37.6	1.165
12	0.115455	3.173532	30.2	1.147
14	0.122572	3.014471	25.5	1.134
16	0.128543	2.896025	22.3	1.123
18	0.133620	2.804451	19.9	1.115
20	0.143503	2.646414	16.2	1.101
25	0.150678	2.545584	14.1	1.091
30	0.156118	2.475856	12.7	1.085
35	0.160334	2.424700	11.8	1.080
40	0.163818	2.385541	11.1	1.076
45	0.166640	2.354623	10.5	1.073
50	0.169001	2.329552	10.1	1.071
55	0.171006	2.308913	9.9	1.069

CONFIDENCE LEVEL=.975
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.0005443	976.708912	2032519.3	4.001
1	0.0222164	39.418800	9558.9	2.012
2	0.0402226	14.344419	1280.0	1.610
3	0.0568122	8.762491	427.0	1.443
4	0.0714555	6.538971	210.8	1.352
5	0.0842559	5.383372	128.2	1.294
6	0.0954557	4.685318	88.3	1.255
7	0.1052888	4.221216	66.1	1.235
8	0.1139564	3.891575	52.3	1.203
9	0.1216664	3.645891	43.1	1.185
10	0.1284698	3.304882	32.0	1.159
11	0.1342889	3.079885	25.6	1.141
12	0.1452889	2.920508	21.5	1.128
13	0.154047	2.801773	18.8	1.117
14	0.161405	2.709923	16.7	1.109
15	0.167670	2.551276	13.6	1.094
16	0.179886	2.450043	11.7	1.084
17	0.198775	2.379841	10.5	1.078
18	0.195529	2.328300	9.7	1.073
19	0.200832	2.288853	9.1	1.069
20	0.205106	2.255768	8.6	1.066
21	0.208624	2.232445	8.3	1.063
22	0.211359	2.211382	8.0	1.061
23	0.214070			

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.007468	982.528976	1677851.3	4.001
1	0.0276444	39.431217	8488.3	2.012
2	0.0487522	14.285479	1156.1	1.609
3	0.0679455	8.696121	387.9	1.443
4	0.0848344	6.471241	191.8	1.350
5	0.099562	5.315278	116.6	1.292
6	0.1124488	4.617040	80.3	1.253
7	0.1237655	4.152771	60.0	1.233
8	0.1337557	3.822946	47.4	1.200
9	0.1426322	3.577062	39.1	1.182
10	0.157674	3.35631	33.9	1.156
11	0.169916	3.010209	23.0	1.137
12	0.180059	2.850425	19.3	1.134
13	0.188594	2.731311	16.8	1.113
14	0.195871	2.639113	15.0	1.104
15	0.210091	2.479714	12.1	1.089
16	0.220466	2.377876	10.4	1.080
17	0.228366	2.307183	9.3	1.073
18	0.234580	2.255237	8.5	1.067
19	0.239595	2.215449	8.0	1.063
20	0.243728	2.183396	7.6	1.060
21	0.247192	2.158505	7.2	1.058
22	0.250137	2.137428	7.0	1.056

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.0093322	986.919989	1488094.2	4.001
1	0.0323227	39.440508	7866.3	2.011
2	0.055910	14.240734	1082.5	1.609
3	0.077224	8.645622	364.3	1.441
4	0.095932	6.419584	180.3	1.349
5	0.112259	5.263226	109.6	1.291
6	0.126539	4.564735	75.4	1.250
7	0.139088	4.100232	56.3	1.221
8	0.150178	3.770168	44.4	1.198
9	0.160037	3.524040	36.5	1.180
10	0.176769	3.182119	26.9	1.153
11	0.190412	2.956225	21.4	1.135
12	0.201736	2.796001	17.9	1.121
13	0.211280	2.676482	15.5	1.110
14	0.219429	2.583912	13.8	1.101
15	0.225390	2.423727	11.1	1.086
16	0.224706	2.321251	9.5	1.076
17	0.225597	2.250043	8.5	1.069
18	0.226300	2.197671	7.8	1.064
19	0.226867	2.157527	7.3	1.060
20	0.227336	2.125771	6.9	1.056
21	0.227729	2.100021	6.6	1.054
22	0.228063	2.078717	6.3	1.052

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.010981	990.350454	1366119.2	4.001
1	0.036327	39.447716	7469.7	2.011
2	0.061949	14.205599	1054.9	1.608
3	0.085018	8.605399	349.0	1.440
4	0.105244	6.378871	172.8	1.349
5	0.122898	5.222123	104.9	1.290
6	0.138346	4.523359	72.1	1.249
7	0.151932	4.058600	53.8	1.220
8	0.163949	3.728282	42.4	1.197
9	0.174642	3.481869	34.8	1.179
10	0.192315	3.139475	25.6	1.152
11	0.207661	2.913107	20.3	1.133
12	0.220004	2.752443	17.0	1.119
13	0.230423	2.632520	14.7	1.108
14	0.239333	2.539583	13.0	1.099
15	0.256821	2.378608	10.4	1.083
16	0.269649	2.275308	8.9	1.073
17	0.279461	2.203788	7.9	1.066
18	0.287207	2.150992	7.3	1.061
19	0.293478	2.110492	6.8	1.057
20	0.298659	2.078433	6.4	1.053
21	0.303011	2.052422	6.1	1.051
22	0.306718	2.030393	5.8	1.049

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
20				
1	0.012454	993.104343	1288658.8	4.001
2	0.0339759	39.453467	7199.9	2.011
3	0.067087	14.177276	1002.1	1.608
4	0.091628	8.573830	338.3	1.440
5	0.113134	6.345949	167.5	1.348
6	0.131910	5.188833	101.7	1.299
7	0.148350	4.486757	69.8	1.248
8	0.162820	4.024783	52.0	1.219
9	0.175630	3.694213	41.0	1.196
10	0.187039	3.447578	33.6	1.177
12	0.206433	3.104667	24.7	1.150
14	0.222344	2.877839	19.6	1.131
16	0.235575	2.716752	16.3	1.117
18	0.246761	2.596442	14.1	1.106
20	0.256340	2.503151	12.5	1.097
25	0.275180	2.341420	10.0	1.081
30	0.289036	2.237713	8.5	1.071
35	0.299656	2.165496	7.5	1.064
40	0.308055	2.112288	6.9	1.059
45	0.314865	2.071441	6.4	1.054
50	0.320498	2.039087	6.0	1.051
55	0.325235	2.012320	5.7	1.048
60	0.329274	1.991068	5.5	1.046

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25				
1	0.015446	998.082475	1184833.1	4.001
2	0.046471	39.463780	6807.3	2.011
3	0.077042	14.125799	953.3	1.608
4	0.104339	8.551543	323.5	1.439
5	0.128360	6.285869	159.6	1.347
6	0.149303	5.127953	96.8	1.298
7	0.167669	4.423255	66.4	1.247
8	0.183865	3.962695	49.4	1.217
9	0.199232	3.631546	38.8	1.194
10	0.211053	3.384341	31.8	1.175
12	0.232937	3.040327	23.3	1.148
14	0.250914	2.812467	18.4	1.129
16	0.265939	2.650427	15.3	1.114
18	0.278683	2.529244	13.1	1.103
20	0.289629	2.435754	11.6	1.094
25	0.311259	2.271710	9.2	1.078
30	0.327261	2.166115	7.8	1.068
35	0.339536	2.093257	6.9	1.060
40	0.349373	2.039097	6.3	1.055
45	0.357336	1.997443	5.9	1.050
50	0.363942	1.964398	5.5	1.047
55	0.369512	1.937533	5.2	1.044
60	0.374273	1.915258	5.0	1.042

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
30	1 0.017695	1001.416185	1126125.1	4.001
	2 0.051337	39.470623	6604.2	2.011
	3 0.084196	14.091119	928.5	1.607
	4 0.113547	8.476001	314.1	1.439
	5 0.139268	6.245207	155.4	1.346
	6 0.161771	5.086650	94.2	1.287
	7 0.181533	4.386472	64.5	1.246
	8 0.198997	3.920379	47.9	1.216
	9 0.214495	3.588745	37.6	1.193
	10 0.228357	3.341063	30.8	1.174
	11 0.252076	2.996128	22.5	1.147
	12 0.271621	2.767406	17.7	1.127
	14 0.288005	2.604568	14.7	1.112
	16 0.301941	2.482651	12.6	1.101
	18 0.313943	2.387887	11.1	1.092
	20 0.337747	2.222986	8.8	1.076
	25 0.355448	2.115698	7.4	1.065
	30 0.369139	2.042351	6.5	1.058
	35 0.380031	1.987357	5.9	1.052
	40 0.388956	1.944993	5.5	1.048
	45 0.396364	1.911335	5.1	1.044
	50 0.402625	1.883936	4.8	1.042
	60 0.407987	1.861192	4.6	1.039

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35	1 0.019430	1003.804665	1096490.2	4.001
	2 0.055009	39.473494	6485.1	2.011
	3 0.089566	14.066165	913.5	1.607
	4 0.120406	8.447587	309.2	1.439
	5 0.147445	6.215852	152.9	1.346
	6 0.171122	5.056781	92.6	1.287
	7 0.191941	4.356175	63.4	1.246
	8 0.210352	3.889673	47.0	1.215
	9 0.226732	3.557638	36.9	1.193
	10 0.241394	3.309560	30.2	1.173
	11 0.266530	2.963863	22.0	1.146
	12 0.287297	2.734425	17.3	1.126
	14 0.304748	2.570922	14.3	1.111
	16 0.319625	2.448391	12.3	1.100
	18 0.332464	2.353060	10.6	1.091
	20 0.358016	2.186926	8.5	1.075
	25 0.377098	2.079618	7.2	1.064
	30 0.391912	2.004417	6.3	1.056
	35 0.403735	1.948699	5.7	1.050
	40 0.413448	1.905713	5.2	1.046
	45 0.421530	1.871516	4.9	1.043
	50 0.428376	1.843645	4.6	1.040
	60 0.434249	1.820484	4.4	1.037

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.020803	1005.599967	1077585.2	4.001
1	0.057870	39.479137	6409.1	2.011
2	0.093737	14.047349	903.9	1.607
3	0.125731	8.426136	305.9	1.439
4	0.153792	6.193663	151.3	1.346
5	0.178386	5.034172	91.6	1.287
6	0.200032	4.333212	62.6	1.245
7	0.219195	3.866371	46.5	1.215
8	0.236264	3.534001	36.4	1.192
9	0.251559	3.285595	29.8	1.173
10	0.277823	3.093261	21.7	1.145
11	0.299558	2.909225	17.0	1.125
12	0.317878	2.755164	14.1	1.111
14	0.333518	2.422116	12.1	1.099
16	0.347040	2.326306	10.6	1.090
18	0.374027	2.159121	8.3	1.074
20	0.394236	2.050939	7.0	1.063
25	0.410009	1.974998	6.1	1.055
30	0.422640	1.918649	5.5	1.049
35	0.433001	1.875118	5.1	1.045
40	0.441650	1.840446	4.7	1.041
45	0.449008	1.812157	4.5	1.038
50	0.455323	1.788625	4.3	1.036

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.021914	1006.998639	1063828.8	4.001
1	0.060161	39.481964	6357.6	2.011
2	0.097058	14.032654	897.4	1.607
3	0.129980	8.409368	303.7	1.438
4	0.158859	6.176299	150.1	1.346
5	0.184188	5.016462	90.9	1.286
6	0.206499	4.315206	62.1	1.245
7	0.226269	3.848079	46.1	1.215
8	0.243895	3.515429	36.1	1.191
9	0.259703	3.266746	29.5	1.173
10	0.286836	3.019877	21.4	1.145
11	0.309432	2.868933	16.8	1.125
12	0.328430	2.752480	13.9	1.110
14	0.344721	2.524313	11.9	1.099
16	0.358810	2.305095	10.5	1.089
18	0.386998	2.137009	8.2	1.073
20	0.408194	2.028069	6.9	1.062
25	0.424747	1.951486	6.0	1.054
30	0.438031	1.894584	5.4	1.048
35	0.448939	1.850573	5.0	1.040
40	0.458147	1.815479	4.6	1.040
45	0.465932	1.786319	4.4	1.037
50	0.472633	1.762956	4.2	1.035

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
50		1008.119035	1054851.3	4.001
1	0.022830	39.484222	6320.9	2.011
2	0.062034	14.020860	892.7	1.607
3	0.099787	8.395900	302.2	1.438
4	0.133448	6.162341	149.3	1.345
5	0.162996	5.002213	90.3	1.286
6	0.188926	4.300706	61.8	1.245
7	0.211784	3.833338	45.8	1.214
8	0.232054	3.500449	35.9	1.191
9	0.250139	3.251532	29.3	1.172
10	0.266372	2.904207	21.3	1.144
12	0.294319	2.673233	16.7	1.125
14	0.317533	2.508295	13.8	1.110
16	0.337144	2.384429	11.9	1.098
18	0.353945	2.287858	10.3	1.089
20	0.368513	2.118992	8.1	1.072
25	0.397720	2.009393	6.8	1.061
30	0.419744	1.932245	5.9	1.053
35	0.436985	1.874356	5.3	1.048
40	0.450874	1.830420	4.9	1.043
45	0.462314	1.794352	4.6	1.039
50	0.471909	1.765939	4.3	1.037
55	0.480078	1.741800	4.1	1.034
60	0.487120			

CONFIDENCE LEVEL=.975
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55		1009.036684	1046024.1	4.001
1	0.023597	39.485067	6294.0	2.011
2	0.063593	14.011185	889.2	1.607
3	0.102048	8.384845	301.0	1.438
4	0.136331	6.150876	148.7	1.345
5	0.166435	4.990501	90.0	1.286
6	0.192868	4.288780	61.5	1.245
7	0.216183	3.821205	45.6	1.214
8	0.236872	3.488111	35.7	1.191
9	0.255343	3.238992	29.1	1.172
10	0.271934	2.891275	21.2	1.144
12	0.300524	2.659929	16.6	1.124
14	0.324305	2.494641	13.7	1.109
16	0.344419	2.370447	11.7	1.098
18	0.361672	2.273571	10.3	1.089
20	0.376650	2.104024	8.0	1.072
25	0.406733	1.993345	6.7	1.061
30	0.429473	1.916200	5.8	1.053
35	0.447315	1.858378	5.3	1.047
40	0.461715	1.813562	4.8	1.043
45	0.473597	1.777759	4.5	1.039
50	0.483578	1.748468	4.3	1.036
55	0.492088	1.724042	4.0	1.033
60	0.499434			

CONFIDENCE LEVEL=.975
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
60	1 0.024249	1009.802050	1041.665.7	4.001
	2 0.064911	39.487602	6273.6	2.011
	3 0.103957	14.003105	886.6	1.607
	4 0.138765	8.375608	300.1	1.438
	5 0.169340	6.141291	148.3	1.345
	6 0.196199	4.980703	89.7	1.286
	7 0.219902	4.278797	61.3	1.245
	8 0.240946	3.811043	45.4	1.214
	9 0.259745	3.477772	35.6	1.191
	10 0.276641	3.228477	29.0	1.172
	12 0.305782	2.880420	21.1	1.144
	14 0.330048	2.648750	16.5	1.124
	16 0.350596	2.483157	13.6	1.109
	18 0.368240	2.358677	11.6	1.098
	20 0.383572	2.261532	10.2	1.088
	25 0.414416	2.091387	7.9	1.072
	30 0.437784	1.980696	6.6	1.061
	35 0.456153	1.902608	5.8	1.053
	40 0.471004	1.844400	5.2	1.047
	45 0.483278	1.799245	4.8	1.042
	50 0.493603	1.763740	4.4	1.038
	55 0.502418	1.733580	4.2	1.035
	60 0.510035	1.708912	4.0	1.033

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
1		4052.180699	*	4.000
1	0.0	98.502513	*	2.015
2	0.0	34.116222	*	1.628
3	0.0	21.197690	*	1.478
4	0.0	16.258177	*	1.401
5	0.0	13.745023	*	1.356
6	0.0	12.246383	*	1.326
7	0.0	11.258624	*	1.305
8	0.0	10.551431	*	1.295
9	0.0	10.044239	*	1.277
10	0.0	9.330212	*	1.260
11	0.0	8.861593	*	1.248
12	0.0	8.530965	*	1.240
14	0.0	8.285420	*	1.233
16	0.0	8.095958	*	1.228
20	0.0	7.763798	*	1.220
25	0.0	7.562476	*	1.214
30	0.0	7.419117	*	1.210
35	0.0	7.314100	*	1.207
40	0.0	7.233863	*	1.205
45	0.0	7.170577	*	1.203
50	0.0	7.119377	*	1.201
55	0.0	7.077106	*	1.200
60	0.0			

CONFIDENCE LEVEL=.99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2		4999.500001	*	4.000
2	0.0	99.000000	*	2.010
3	0.0	30.816520	*	1.616
4	0.0	18.000000	*	1.460
5	0.0	13.273934	*	1.379
6	0.0	10.924767	*	1.331
7	0.0	9.546578	*	1.299
8	0.0	8.649111	*	1.276
9	0.0	8.021517	*	1.259
10	0.0	7.559432	*	1.246
11	0.0	6.926608	*	1.238
12	0.0	6.514884	*	1.215
14	0.0	6.226235	*	1.206
16	0.0	6.012905	*	1.199
18	0.0	5.848932	*	1.194
20	0.0	5.567997	*	1.184
25	0.0	5.390346	*	1.178
30	0.0	5.267941	*	1.174
35	0.0	5.178508	*	1.170
40	0.0	5.110318	*	1.168
45	0.0	5.056611	*	1.166
50	0.0	5.013219	*	1.165
55	0.0	4.977432	*	1.163
60	0.0			

CONFIDENCE LEVEL=.99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.0	5403.352024	*	4.000
1	0.0	99.166201	*	2.008
2	0.0	29.456695	*	1.611
3	0.0	16.694369	*	1.452
4	0.0	12.059954	*	1.365
5	0.0	9.779538	*	1.318
6	0.0	8.451285	*	1.285
7	0.0	7.590992	*	1.261
8	0.000004	6.991920	917430.2	1.243
9	0.000005	6.552316	645160.3	1.230
10	0.000007	5.952549	378786.9	1.210
11	0.000009	5.563892	258396.9	1.197
12	0.000011	5.292221	193049.2	1.187
13	0.000013	5.091898	154082.2	1.179
14	0.000014	4.938203	128368.7	1.173
15	0.000018	4.675477	92420.4	1.163
16	0.000021	4.509753	74073.1	1.156
17	0.000023	4.395765	63250.1	1.152
18	0.000025	4.312586	56147.2	1.148
19	0.000027	4.249226	51176.1	1.146
20	0.000028	4.195362	47504.9	1.144
25	0.000029	4.159100	44701.7	1.142
30	0.000030	4.125912	42461.8	1.140

CONFIDENCE LEVEL=.99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.0	5624.583324	*	4.000
1	0.0	99.249372	*	2.007
2	0.000076	28.709936	523559.2	1.608
3	0.000192	15.977121	90008.0	1.447
4	0.000343	11.392100	30412.6	1.362
5	0.000508	9.148555	14531.8	1.310
6	0.000677	7.846984	8495.5	1.275
7	0.000842	7.006498	5647.1	1.250
8	0.001000	6.422586	4094.3	1.232
9	0.001150	5.994914	3157.1	1.217
10	0.001421	5.412663	2127.2	1.196
11	0.001656	5.036207	1598.0	1.182
12	0.001861	4.773509	1286.4	1.171
13	0.002039	4.580057	1085.1	1.163
14	0.002195	4.431789	946.0	1.157
15	0.002509	4.178676	737.3	1.146
16	0.002746	4.019251	623.3	1.139
17	0.002930	3.909708	552.3	1.133
18	0.003077	3.829834	504.2	1.130
19	0.003197	3.769028	465.5	1.127
20	0.003297	3.721196	443.4	1.125
25	0.003381	3.682589	423.1	1.123
30	0.003453	3.650776	406.8	1.121

CONFIDENCE LEVEL=.99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0	5763.649555	980391.2	4.000
1	0.000254	99.299358	52327.6	2.007
2	0.000929	28.237453	11342.0	1.605
3	0.001840	10.568154	4388.2	1.443
4	0.002824	8.747420	2288.2	1.356
5	0.003793	7.462330	1421.2	1.303
6	0.004710	6.634063	987.3	1.267
7	0.005561	6.053494	740.1	1.242
8	0.006344	5.639169	585.8	1.222
9	0.007060	5.067692	409.9	1.207
10	0.008314	4.698738	316.0	1.185
11	0.009366	4.441554	259.2	1.170
12	0.010258	4.252323	221.5	1.155
13	0.011019	4.107391	195.5	1.144
14	0.011675	3.860188	155.3	1.132
15	0.012976	3.704637	132.9	1.124
16	0.013937	3.557829	118.8	1.119
17	0.014675	3.519990	105.1	1.115
18	0.015253	3.460756	102.1	1.111
19	0.015733	3.414177	96.8	1.109
20	0.016123	3.376591	92.6	1.107
25	0.016455	3.345626	89.2	1.105
30	0.016721			

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.0	5858.986105	267378.7	4.000
1	0.0001119	99.332963	17920.1	2.006
2	0.003194	27.911730	4322.6	1.604
3	0.005612	15.208755	1776.1	1.440
4	0.008032	10.674963	961.5	1.352
5	0.010283	8.469604	612.4	1.298
6	0.012353	7.195591	433.0	1.262
7	0.014239	6.373509	328.9	1.235
8	0.015939	5.807180	262.9	1.215
9	0.017475	5.391746	222.5	1.200
10	0.020126	4.827415	186.5	1.177
11	0.022321	4.463411	145.0	1.161
12	0.024161	4.209352	119.7	1.149
13	0.025721	4.023387	102.8	1.140
14	0.027059	3.880633	90.9	1.133
15	0.029690	3.637275	72.6	1.121
16	0.031620	3.484232	62.3	1.113
17	0.033095	3.379189	55.8	1.107
18	0.034258	3.302659	51.3	1.103
19	0.035197	3.244436	48.0	1.100
20	0.035971	3.198659	45.5	1.097
25	0.036621	3.161726	43.6	1.095
30	0.037174	3.131303	42.0	1.093

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0	5928.355728	*	4.000
1	0.0002679	99.357146	129365.1	2.006
2	0.006637	27.673625	9863.9	1.603
3	0.010889	14.978941	2520.8	1.438
4	0.014952	10.459900	1068.5	1.349
5	0.018674	8.265494	589.4	1.295
6	0.022029	6.999334	379.9	1.257
7	0.025039	6.185026	270.3	1.230
8	0.027737	5.621074	206.8	1.210
9	0.030160	5.209055	166.0	1.194
10	0.034315	4.649679	118.3	1.170
12	0.037733	4.289079	92.1	1.154
14	0.040584	4.037993	76.3	1.142
16	0.042995	3.853401	63.6	1.133
18	0.045037	3.712114	58.0	1.126
20	0.049100	3.471323	46.3	1.113
25	0.052039	3.319937	39.7	1.104
30	0.054314	3.215051	35.5	1.098
35	0.056090	3.140374	32.6	1.094
40	0.057323	3.082304	30.5	1.091
45	0.058704	3.037544	29.0	1.088
50	0.059695	3.001031	27.7	1.086
55	0.060535	2.970955	26.7	1.084

CONFIDENCE LEVEL = .99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.0	5981.070320	*	4.000
1	0.004752	99.375425	82643.6	2.005
2	0.010751	27.491949	6811.0	1.602
3	0.016888	14.803281	1801.2	1.436
4	0.022611	10.295227	777.2	1.347
5	0.027780	8.108950	433.1	1.292
6	0.032400	6.848587	280.9	1.254
7	0.036519	6.039513	201.0	1.227
8	0.040196	5.477753	153.9	1.206
9	0.043487	5.068206	123.7	1.190
10	0.049113	4.512385	88.3	1.166
12	0.053727	4.154197	68.9	1.149
14	0.057569	3.904844	56.9	1.137
16	0.060813	3.721353	48.9	1.127
18	0.063585	3.581275	43.2	1.120
20	0.069014	3.342224	34.4	1.106
25	0.072983	3.191943	29.3	1.098
30	0.076008	3.088817	26.3	1.092
35	0.078387	3.013694	24.2	1.087
40	0.080307	2.956545	22.6	1.084
45	0.081889	2.911615	21.4	1.081
50	0.083215	2.875367	20.4	1.078
55	0.084342	2.845509	19.7	1.077

CONFIDENCE LEVEL = .99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0	6022.473237	*	4.000
1	0.007115	99.389724	61273.5	2.005
2	0.015126	27.348734	5320.7	1.601
3	0.023068	14.664574	1437.5	1.435
4	0.030363	10.164976	627.2	1.346
5	0.036898	7.984934	351.5	1.290
6	0.042708	6.728989	228.7	1.252
7	0.047870	5.922121	164.0	1.224
8	0.052467	5.363757	125.7	1.203
9	0.056576	4.956054	101.0	1.186
10	0.063585	4.402853	72.1	1.162
12	0.069333	4.046417	56.2	1.145
14	0.074114	3.798305	46.4	1.132
16	0.078148	3.615931	39.8	1.123
18	0.081595	3.476355	35.2	1.115
20	0.088346	3.238493	27.9	1.101
25	0.093280	3.088946	23.9	1.092
30	0.097041	2.986313	21.3	1.086
35	0.100001	2.911542	19.5	1.082
40	0.102389	2.853465	18.2	1.078
45	0.104358	2.809930	17.2	1.075
50	0.106007	2.773844	16.4	1.073
55	0.107409	2.744116	15.8	1.071

CONFIDENCE LEVEL = .99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0	6055.846715	*	4.000
1	0.009595	99.401207	49725.5	2.005
2	0.019503	27.232910	4472.9	1.601
3	0.029121	14.552221	1226.4	1.434
4	0.037868	10.059309	538.6	1.344
5	0.045661	7.884176	302.9	1.288
6	0.052569	6.631688	197.5	1.250
7	0.058694	5.827309	141.7	1.222
8	0.064144	5.270792	108.6	1.200
9	0.069011	4.864496	87.3	1.184
10	0.077312	4.313271	62.2	1.159
12	0.084110	3.958130	48.4	1.142
14	0.089757	3.710919	39.9	1.129
16	0.094542	3.529199	34.2	1.119
18	0.098622	3.390114	30.2	1.111
20	0.106618	3.153060	23.9	1.097
25	0.112466	3.003991	20.4	1.088
30	0.116925	2.901668	18.1	1.082
35	0.120436	2.827110	16.6	1.077
40	0.123271	2.770378	15.4	1.073
45	0.125608	2.725767	14.6	1.071
50	0.127567	2.689769	13.9	1.068
55	0.129235	2.660113	13.4	1.066

CONFIDENCE LEVEL = .99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.0	6106.320705	*	4.000
1	0.014498	99.418479	38079.7	2.005
2	0.027757	27.036998	3579.9	1.600
3	0.040301	14.381240	998.6	1.433
4	0.051579	9.898179	441.5	1.343
5	0.061571	7.730238	249.4	1.286
6	0.070401	6.482767	162.8	1.247
7	0.078220	5.681959	116.8	1.218
8	0.085171	5.128055	89.4	1.197
9	0.091377	4.723725	71.3	1.180
10	0.101966	4.175196	51.0	1.154
12	0.110644	3.821766	39.6	1.137
14	0.117873	3.575701	32.5	1.124
16	0.123981	3.394783	27.8	1.114
18	0.129206	3.256276	24.5	1.106
20	0.139463	3.020107	19.3	1.091
25	0.146931	2.871504	16.3	1.082
30	0.152723	2.769445	14.5	1.075
35	0.157251	2.695045	13.2	1.070
40	0.160912	2.638410	12.3	1.067
45	0.163932	2.593359	11.5	1.064
50	0.166467	2.557900	11.0	1.061
55	0.168624	2.528266	10.5	1.059
60				

CONFIDENCE LEVEL = .99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.0	6142.673972	*	4.000
1	0.019004	99.430827	32508.8	2.005
2	0.035045	26.929679	3134.8	1.600
3	0.050006	14.257204	882.6	1.432
4	0.063379	9.781013	392.0	1.341
5	0.075198	7.618050	221.5	1.284
6	0.085633	6.374004	144.5	1.245
7	0.094871	5.575594	103.6	1.216
8	0.103036	5.023412	79.2	1.194
9	0.110425	4.620347	63.5	1.177
10	0.122961	4.073491	45.1	1.151
12	0.133250	3.721059	34.9	1.133
14	0.141835	3.475614	28.6	1.120
16	0.149100	3.295091	24.3	1.110
18	0.155324	3.156840	21.4	1.102
20	0.167567	2.920976	18.7	1.087
25	0.176565	2.772451	14.1	1.078
30	0.183453	2.670376	12.5	1.071
35	0.188893	2.595921	11.3	1.066
40	0.193299	2.539216	10.5	1.062
45	0.196938	2.494590	9.9	1.059
50	0.199995	2.458557	9.4	1.056
55		2.428852	9.0	1.054
60	0.202598			

CONFIDENCE LEVEL = .99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
16		6170.		
1	0.0	101205	*	4.000
2	0.023002	99.440080	29376.2	2.005
3	0.041350	26.833241	2877.1	1.599
4	0.058316	14.163074	814.4	1.432
5	0.073433	9.691927	362.4	1.341
6	0.086779	7.532589	204.8	1.283
7	0.098551	6.291006	133.6	1.244
8	0.108997	5.494290	95.7	1.215
9	0.118284	4.943300	73.1	1.193
10	0.126588	4.541088	58.5	1.175
11	0.134079	3.995310	41.4	1.149
12	0.132469	3.643468	31.9	1.131
13	0.162330	3.398346	26.1	1.118
14	0.170504	3.217992	22.2	1.107
15	0.177603	3.079818	19.4	1.099
20	0.191599	2.843941	15.2	1.084
25	0.201914	2.695281	12.7	1.074
30	0.209829	2.553039	11.2	1.067
40	0.216092	2.513414	10.2	1.062
45	0.223117	2.461547	9.4	1.058
50	0.225373	2.416774	8.8	1.055
55	0.228907	2.380605	8.4	1.053
60	0.231919	2.350778	8.0	1.050

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18		6191.		
1	0.0	1528710	*	4.000
2	0.026505	99.447265	27418.8	2.005
3	0.046782	26.757653	2713.1	1.599
4	0.065428	14.089183	770.6	1.431
5	0.082012	9.621382	343.3	1.340
6	0.096648	7.465289	194.0	1.283
7	0.109574	6.225348	126.4	1.245
8	0.121032	5.430079	90.5	1.214
9	0.131235	4.879945	69.0	1.191
10	0.140368	4.478330	55.2	1.174
11	0.156008	3.933265	39.0	1.148
12	0.168894	3.581767	30.0	1.129
13	0.179683	3.336793	24.5	1.116
14	0.188843	3.156477	20.8	1.105
15	0.196715	3.018277	18.1	1.097
20	0.212267	2.782208	14.1	1.082
25	0.223762	2.633297	11.8	1.072
30	0.232602	2.530803	10.4	1.065
35	0.239611	2.455946	9.4	1.060
40	0.245304	2.398869	8.6	1.056
45	0.250019	2.353907	8.1	1.052
50	0.253989	2.317570	7.7	1.050
55	0.257377	2.287592	7.3	1.048

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.0	6208.730219	*	4.000
1	0.029568	99.453002	26101.8	2.005
2	0.051476	26.696809	2601.6	1.599
3	0.071544	14.029628	740.6	1.431
4	0.089376	9.565352	330.1	1.340
5	0.105115	7.410903	186.5	1.282
6	0.119022	6.172584	121.5	1.242
7	0.131358	5.378059	86.8	1.213
8	0.142353	4.828561	66.2	1.191
9	0.152204	4.427375	52.9	1.173
10	0.169097	3.882788	37.3	1.147
11	0.183039	3.531481	28.6	1.128
12	0.194733	3.286548	23.3	1.114
13	0.204677	3.106192	19.8	1.104
14	0.213235	2.967908	17.3	1.095
15	0.220378	2.873154	15.3	1.080
16	0.226273	2.802320	13.1	1.070
17	0.231241	2.747953	11.7	1.063
18	0.235402	2.704407	9.8	1.057
19	0.238953	2.670994	8.1	1.053
20	0.241991	2.641922	7.6	1.050
21	0.244591	2.615400	7.2	1.048
22	0.246849	2.591256	6.8	1.045

CONFIDENCE LEVEL = .99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.0	6239.825119	*	4.000
1	0.033692	99.463297	24217.9	2.005
2	0.060735	26.586434	2439.3	1.599
3	0.083554	13.921409	696.5	1.431
4	0.103810	9.463447	310.5	1.340
5	0.121703	7.311726	175.3	1.281
6	0.137537	6.075831	114.0	1.241
7	0.151609	5.232877	81.4	1.213
8	0.164177	4.734393	62.0	1.189
9	0.175461	4.333853	49.4	1.171
10	0.184870	3.989888	34.7	1.145
11	0.210955	3.438702	26.5	1.126
12	0.224496	3.193636	21.5	1.112
13	0.236052	3.013015	18.3	1.101
14	0.246028	2.874400	15.8	1.093
15	0.255878	2.763712	12.1	1.077
16	0.265030	2.687007	10.1	1.066
17	0.272148	2.633413	8.8	1.059
18	0.278129	2.590757	7.9	1.054
19	0.283076	2.549638	7.2	1.050
20	0.287497	2.503915	6.7	1.046
21	0.291497	2.466905	6.4	1.044
22	0.295023	2.436328	6.0	1.041

CONFIDENCE LEVEL = .99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.00	62.60	232.54	4.000
1	0.040226	99.470133	235.00	2.005
2	0.067508	26.512226	573.3	1.599
3	0.092302	13.848512	300.2	1.430
4	0.114312	9.392988	169.4	1.338
5	0.133773	7.244647	110.1	1.280
6	0.151020	6.010263	78.5	1.240
7	0.166372	5.218249	59.7	1.211
8	0.180108	4.670335	47.5	1.188
9	0.192461	4.270121	33.3	1.170
10	0.203765	3.972636	25.4	1.143
11	0.214379	3.750733	20.6	1.124
12	0.224643	3.597399	17.3	1.110
13	0.234642	3.509775	15.0	1.099
14	0.244326	3.480978	13.5	1.090
15	0.253703	3.571547	12.5	1.075
16	0.262842	3.420540	11.5	1.064
17	0.271799	3.316155	10.2	1.057
18	0.280507	3.239624	9.4	1.051
19	0.289081	3.181074	8.7	1.047
20	0.297470	3.134814	8.3	1.044
21	0.305722	3.097329	7.9	1.041
22	0.313891	3.066329	7.6	1.039
23	0.321991			
24	0.329907			
25	0.337636			
26	0.345081			
27	0.352387			
28	0.359501			
29	0.366329			

CONFIDENCE LEVEL=.99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.00	62.75	227.00	4.000
1	0.043693	99.474999	230.5	2.004
2	0.072650	26.458908	659.7	1.599
3	0.098928	13.796064	294.1	1.430
4	0.122263	9.342940	165.8	1.338
5	0.142914	7.136241	107.7	1.280
6	0.161239	5.962878	76.7	1.240
7	0.177573	5.171476	58.3	1.210
8	0.192209	4.623909	46.4	1.188
9	0.205390	4.223870	32.4	1.170
10	0.218170	3.880155	24.7	1.143
11	0.229716	3.598670	19.9	1.124
12	0.240433	3.370339	16.8	1.110
13	0.250414	3.203374	14.5	1.099
14	0.259708	3.091730	11.1	1.090
15	0.268301	2.972237	9.1	1.075
16	0.276221	2.856290	7.9	1.064
17	0.283563	2.743918	7.0	1.057
18	0.290382	2.635005	6.4	1.051
19	0.296682	2.530247	6.0	1.047
20	0.302403	2.435320	5.6	1.044
21	0.307597	2.34927	5.3	1.041
22				1.039
23				
24				
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CONFIDENCE LEVEL=.99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.0	6286.782060	*	4.000
1	0.046421	99.478640	22345.4	2.004
2	0.076675	26.418747	2273.8	1.598
3	0.104108	13.756517	650.9	1.430
4	0.128477	9.305160	290.1	1.338
5	0.150063	7.159660	163.5	1.290
6	0.169237	5.927027	106.1	1.240
7	0.186348	5.136048	75.6	1.210
8	0.201697	4.588707	57.4	1.187
9	0.215538	4.188763	45.6	1.169
10	0.229500	3.845004	31.8	1.142
12	0.239524	3.3293309	24.2	1.123
14	0.2476516	3.047390	19.5	1.109
16	0.2591124	2.865758	16.4	1.097
18	0.303824	2.726068	14.2	1.086
20	0.329363	2.486115	10.8	1.073
25	0.348673	2.333540	8.9	1.062
30	0.363809	2.227767	7.6	1.054
35	0.376006	2.150015	6.8	1.049
40	0.386051	2.090390	6.2	1.044
45	0.394474	2.043179	5.7	1.041
50	0.401640	2.004848	5.4	1.038
55	0.407814	1.973094	5.1	1.036
60				

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.0	6295.518731	*	4.000
1	0.048618	99.481466	22103.3	2.004
2	0.079907	26.387408	2252.4	1.598
3	0.108264	13.725632	644.9	1.430
4	0.133464	9.275628	287.4	1.338
5	0.155802	7.131039	161.9	1.290
6	0.175661	5.898953	105.1	1.240
7	0.193401	5.108281	74.8	1.210
8	0.209331	4.561092	56.7	1.187
9	0.223709	4.161199	45.1	1.169
10	0.248638	3.817362	31.4	1.142
12	0.269511	3.325438	23.9	1.123
14	0.287255	3.019271	19.3	1.109
16	0.302537	2.837345	16.2	1.097
18	0.315844	2.697355	14.0	1.086
20	0.342674	2.456672	10.6	1.073
25	0.363030	2.303434	8.7	1.062
30	0.379032	2.197071	7.5	1.054
35	0.391960	2.118797	6.6	1.049
40	0.402633	2.058711	6.0	1.044
45	0.411600	2.011090	5.6	1.041
50	0.419243	1.972393	5.2	1.038
55	0.425839	1.940310	4.9	1.036
60				

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
50	1 0.0	6302.517196	*	4.000
	2 0.050424	99.483723	21933.6	2.004
	3 0.082557	26.362271	2237.1	1.598
	4 0.111669	13.700843	640.6	1.430
	5 0.137550	9.251909	285.4	1.338
	6 0.160507	7.103035	160.8	1.280
	7 0.180931	5.876371	104.3	1.239
	8 0.199191	5.085930	74.2	1.210
	9 0.215602	4.533848	56.3	1.187
	10 0.230427	4.138981	44.7	1.169
	12 0.256161	3.595049	31.1	1.141
	14 0.277744	3.242943	23.7	1.122
	16 0.296121	2.996517	19.1	1.108
	18 0.311972	2.814327	16.0	1.097
	20 0.325794	2.674069	13.8	1.088
	25 0.353724	2.432734	10.4	1.071
	30 0.374977	2.278904	8.5	1.061
	35 0.391729	2.172013	7.3	1.053
	40 0.405294	2.093271	6.5	1.047
	45 0.416516	2.032769	5.9	1.043
	50 0.425960	1.984777	5.5	1.039
	55 0.434024	1.945748	5.1	1.036
	60 0.440993	1.913366	4.8	1.034

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55	1 0.0	6308.249227	*	4.000
	2 0.051934	99.485367	21809.3	2.004
	3 0.084768	26.341660	2225.8	1.598
	4 0.114510	13.630507	637.4	1.430
	5 0.140959	9.232440	284.0	1.338
	6 0.164433	7.089141	159.9	1.280
	7 0.185331	5.857813	103.7	1.239
	8 0.204028	5.067550	73.8	1.209
	9 0.220843	4.522034	55.9	1.197
	10 0.236045	4.120633	44.4	1.168
	12 0.262461	3.576659	30.5	1.141
	14 0.283468	3.224375	23.5	1.122
	16 0.303564	2.977723	19.9	1.107
	18 0.319901	2.795296	15.8	1.096
	20 0.334165	2.654798	13.7	1.087
	25 0.363044	2.412322	10.5	1.071
	30 0.385076	2.253522	8.4	1.060
	35 0.402483	2.151138	7.2	1.052
	40 0.416607	2.071995	6.4	1.047
	45 0.428313	2.011117	5.8	1.042
	50 0.438131	1.962789	5.4	1.039
	55 0.446620	1.923458	5.0	1.036
	60 0.453922	1.890803	4.7	1.033

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.0	6313.030051	*	4.000
1	0.0053215	99.487102	21714.5	2.004
2	0.0086640	26.324455	2217.3	1.598
3	0.0116914	13.663524	635.0	1.430
4	0.0143845	9.216172	282.9	1.338
5	0.0167758	7.073346	159.3	1.279
6	0.0189059	5.842290	103.3	1.239
7	0.0208128	5.052169	73.4	1.209
8	0.0225288	4.505321	55.7	1.186
9	0.0240812	4.105365	44.2	1.168
10	0.0267813	3.561238	30.7	1.141
12	0.0290518	3.208787	23.3	1.122
14	0.0309900	2.961935	18.8	1.107
16	0.0326657	2.779296	15.7	1.096
18	0.0341304	2.638582	13.6	1.087
20	0.0371011	2.396147	10.2	1.071
25	0.0393726	2.241312	8.4	1.060
30	0.0411710	2.133522	7.2	1.052
35	0.0426330	2.053979	6.4	1.046
40	0.0438466	1.992761	5.8	1.042
45	0.0448712	1.944128	5.3	1.038
50	0.0457496	1.904521	5.0	1.035
55	0.0465088	1.871618	4.7	1.033
60				

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	16210.722709	*	4.000
1	0.0	198.501253	*	2.008
2	0.0	55.551957	*	1.613
3	0.0	31.332772	*	1.458
4	0.0	22.784781	*	1.378
5	0.0	18.634996	*	1.331
6	0.0	16.235558	*	1.300
7	0.0	14.688199	*	1.279
8	0.0	13.613609	*	1.263
9	0.0	12.826470	*	1.250
10	0.0	11.754230	*	1.233
12	0.0	11.060253	*	1.221
14	0.0	10.575458	*	1.212
16	0.0	10.218087	*	1.206
18	0.0	9.943935	*	1.201
20	0.0	9.475312	*	1.192
25	0.0	9.179677	*	1.186
30	0.0	8.976295	*	1.182
35	0.0	8.827859	*	1.179
40	0.0	8.714771	*	1.177
45	0.0	8.625758	*	1.175
50	0.0	8.553876	*	1.174
55	0.0	8.494617	*	1.173
60	0.0			

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	19999.499960	*	4.000
1	0.0	199.000000	*	2.005
2	0.0	49.799278	*	1.605
3	0.0	26.284271	*	1.446
4	0.0	18.313830	*	1.363
5	0.0	14.544106	*	1.313
6	0.0	12.403957	*	1.281
7	0.0	11.042412	*	1.258
8	0.0	10.106714	*	1.240
9	0.0	9.426999	*	1.227
10	0.0	8.509627	*	1.209
12	0.0	7.921642	*	1.196
14	0.0	7.513820	*	1.187
16	0.0	7.214834	*	1.180
18	0.0	6.986465	*	1.174
20	0.0	6.598199	*	1.165
25	0.0	6.354689	*	1.159
30	0.0	6.187841	*	1.154
35	0.0	6.066426	*	1.151
40	0.0	5.974134	*	1.149
45	0.0	5.901617	*	1.147
50	0.0	5.843141	*	1.145
55	0.0	5.794991	*	1.144
60	0.0			

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESS IVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	1	21614.741446	*	4.000
	2	199.166435	*	2.004
	3	47.467228	*	1.602
	4	24.259120	*	1.440
	5	16.529770	*	1.356
	6	12.516601	*	1.305
	7	10.882447	*	1.271
	8	9.596475	*	1.247
	9	8.717055	*	1.229
	10	8.080747	*	1.215
	12	7.225764	*	1.195
	14	6.680353	*	1.182
	16	6.303385	*	1.172
	18	6.027768	*	1.165
	20	5.817702	*	1.159
	25	5.461522	431033.5	1.149
	30	5.233796	335563.5	1.142
	35	5.086501	280897.9	1.138
	40	4.975845	245097.0	1.134
	45	4.891827	220263.3	1.132
	50	4.825374	202428.1	1.130
	55	4.772729	188678.2	1.128
	60	4.728956	178570.4	1.127

CONFIDENCE LEVEL=.995
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4	1	22499.583305	*	4.000
	2	199.249687	*	2.004
	3	46.194622	*	1.600
	4	23.154535	359711.2	1.437
	5	15.556125	105931.2	1.351
	6	12.027631	46081.9	1.299
	7	10.050630	25200.6	1.264
	8	8.805307	15927.6	1.239
	9	7.956100	11102.7	1.220
	10	7.343057	8295.0	1.206
	12	6.521456	5327.8	1.185
	14	5.998783	3867.2	1.171
	16	5.638274	3033.2	1.161
	18	5.375111	2506.9	1.153
	20	5.174795	2150.1	1.147
	25	4.835689	1626.8	1.136
	30	4.624017	1348.1	1.129
	35	4.479461	1177.6	1.124
	40	4.374525	1063.4	1.120
	45	4.294906	981.9	1.117
	50	4.232441	921.1	1.115
	55	4.182130	874.0	1.113
	60	4.140745	836.5	1.112

CONFIDENCE LEVEL=.995
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0	23055.798235	*	4.000
1	0.0	199.259649	*	2.003
2	0.000429	45.391817	179855.1	1.599
3	0.000917	22.456793	32215.5	1.435
4	0.001473	14.940196	11112.6	1.347
5	0.002040	11.464514	5365.0	1.294
6	0.002589	9.523097	3153.4	1.258
7	0.003107	8.303046	2101.2	1.233
8	0.003591	7.472600	1524.6	1.213
9	0.004038	6.873988	1175.3	1.198
10	0.004430	6.073072	790.4	1.177
12	0.004830	5.564473	592.1	1.162
14	0.005504	5.214143	475.3	1.151
16	0.006080	4.958681	399.7	1.143
18	0.006576	4.764389	347.6	1.136
20	0.007006	4.435836	269.3	1.125
25	0.007865	4.230995	226.6	1.117
30	0.008505	4.051222	200.0	1.112
35	0.008999	3.989820	182.1	1.108
40	0.009392	3.912921	169.1	1.105
45	0.009711	3.852513	159.4	1.103
50	0.009976	3.804056	151.8	1.101
55	0.010198	3.764123	145.7	1.099
60	C.C10389			

CONFIDENCE LEVEL=.995
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.0	23437.111072	*	4.000
1	0.0	199.332962	*	2.003
2	0.001731	44.835064	51176.1	1.598
3	0.003310	21.975689	10407.0	1.433
4	0.004891	14.514906	3859.7	1.345
5	0.006412	11.075196	1951.0	1.290
6	0.007829	9.157973	1182.9	1.254
7	0.009131	7.955070	805.8	1.238
8	0.010319	7.137331	594.4	1.208
9	0.011400	6.548478	464.0	1.192
10	0.013285	5.761517	317.6	1.170
12	0.014860	5.262389	240.7	1.155
14	0.016189	4.918894	194.7	1.143
16	0.017323	4.668593	164.8	1.135
18	0.018300	4.478333	143.9	1.128
20	0.020233	4.156826	112.3	1.116
25	0.021661	3.956536	94.9	1.108
30	0.022757	3.819943	84.0	1.102
35	0.023624	3.720890	76.5	1.098
40	0.024327	3.645795	71.2	1.095
45	0.024908	3.586917	67.2	1.092
50	0.025396	3.539521	64.0	1.090
55	0.025811	3.500550	61.5	1.089
60				

CONFIDENCE LEVEL=.995
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0	23714.565868	*	4.000
1	0.001528	199.357198	454544.5	2.003
2	0.0004133	44.435294	25302.6	1.597
3	0.0007084	21.623745	5521.4	1.431
4	0.0009983	14.203350	2128.6	1.343
5	0.0126888	10.789617	1101.7	1.288
6	0.015159	8.889819	678.3	1.251
7	0.017396	7.699234	467.1	1.224
8	0.019416	6.890596	347.1	1.204
9	0.021242	6.308715	272.5	1.188
10	0.024396	5.531687	187.8	1.165
12	0.027011	5.039268	143.0	1.149
14	0.029206	4.700597	116.0	1.137
16	0.031071	4.453923	98.3	1.128
18	0.032572	4.266490	85.9	1.121
20	0.035829	3.949899	67.1	1.109
25	0.038152	3.752768	56.7	1.100
30	0.039931	3.618373	50.2	1.095
35	0.041335	3.520937	45.7	1.090
40	0.042472	3.447082	42.5	1.087
45	0.043410	3.389184	40.1	1.084
50	0.044193	3.342582	38.2	1.082
55	0.044868	3.304268	36.7	1.080
60				

CONFIDENCE LEVEL = .995
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.0	23925.406212	*	4.000
1	0.002958	199.375357	267378.7	2.003
2	0.0007192	44.127408	16322.9	1.597
3	0.0011707	21.354989	3717.3	1.430
4	0.016013	13.965098	1465.8	1.341
5	0.019959	10.570926	768.8	1.286
6	0.023523	8.684227	477.3	1.248
7	0.026726	7.502864	330.4	1.221
8	0.029603	6.701018	246.5	1.200
9	0.032192	6.124321	193.9	1.184
10	0.036646	5.354645	134.1	1.161
12	0.040324	4.867161	102.2	1.144
14	0.043403	4.532017	82.9	1.132
16	0.046014	4.287983	70.2	1.123
18	0.048253	4.102597	61.4	1.116
20	0.052660	3.789544	47.9	1.109
25	0.055898	3.594666	40.4	1.100
30	0.058375	3.461829	35.7	1.089
35	0.060330	3.365533	32.5	1.084
40	0.061912	3.292548	30.2	1.081
45	0.063217	3.235335	28.4	1.078
50	0.064312	3.189287	27.1	1.076
55	0.065245	3.151429	26.0	1.074
60				

CONFIDENCE LEVEL = .995
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0	24091.004035	187264.9	4.000
1	0.004709	199.389560	12182.2	2.003
2	0.010635	43.884847	2850.8	1.596
3	0.016714	21.142963	1140.0	1.429
4	0.022403	13.776878	602.7	1.340
5	0.027562	10.397953	375.9	1.284
6	0.032189	8.521401	261.0	1.246
7	0.036329	7.347167	195.0	1.219
8	0.040037	6.550553	153.6	1.198
9	0.043367	5.977833	106.2	1.181
10	0.046308	5.53767	80.9	1.158
11	0.049082	4.730021	65.6	1.141
12	0.051793	4.397530	55.5	1.126
13	0.054322	4.155470	48.5	1.112
14	0.056693	3.971603	43.7	1.098
15	0.058956	3.861155	39.1	1.084
16	0.061070	3.736202	35.3	1.070
17	0.063932	3.66721	32.6	1.057
18	0.066958	3.611625	30.2	1.043
19	0.073698	3.579653	28.1	1.029
20	0.079359	3.540721	26.3	1.016
21	0.081379	3.516833	24.9	1.003
22	0.083046	3.496225	23.7	0.990
23	0.084445	3.479653	22.7	0.977
24	0.085637	3.46427	22.0	0.964

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0	24224.486871	145771.6	4.000
1	0.006642	199.400972	9913.7	2.003
2	0.014222	43.688792	2363.3	1.596
3	0.021794	20.971367	953.9	1.429
4	0.028793	13.624353	506.7	1.340
5	0.035096	10.257603	316.9	1.284
6	0.040727	8.389139	220.3	1.246
7	0.045752	7.220563	164.7	1.219
8	0.050244	6.428082	129.7	1.198
9	0.054273	5.858492	89.7	1.181
10	0.057818	5.498814	68.3	1.158
11	0.061186	4.617967	55.3	1.141
12	0.066873	4.287517	46.7	1.126
13	0.071637	4.046962	40.8	1.112
14	0.075669	3.864247	31.6	1.098
15	0.079127	3.663719	23.4	1.084
16	0.085930	3.553748	21.2	1.070
17	0.090931	3.432822	19.5	1.057
18	0.094758	3.313792	18.5	1.043
19	0.097779	3.206600	17.6	1.029
20	0.100224	3.009614	15.8	1.016
21	0.102243	2.964227	15.8	1.003
22	0.103938	2.926910	15.8	0.990
23	0.105381			0.977
24				0.964

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.0	24426.366101	*	4.000
1	0.010663	199.413151	105707.2	2.003
2	0.021264	43.391255	7608.2	1.556
3	0.031519	20.710313	1854.7	1.428
4	0.040855	13.392100	756.4	1.337
5	0.049209	10.043542	403.9	1.281
6	0.056636	8.187107	253.2	1.242
7	0.063249	7.026897	176.2	1.214
8	0.069135	6.240493	131.7	1.193
9	0.074449	5.675475	103.7	1.176
10	0.083525	4.922145	71.5	1.151
11	0.091004	4.445431	54.3	1.134
12	0.097262	4.117851	43.8	1.121
13	0.102569	3.879383	37.0	1.111
14	0.107123	3.698243	32.1	1.103
15	0.116099	3.392355	24.8	1.089
16	0.122709	3.201395	20.7	1.080
17	0.127776	3.072029	18.2	1.074
18	0.131783	2.977855	16.4	1.066
19	0.133502	2.906457	15.2	1.065
20	0.137711	2.850472	14.2	1.062
25	0.139965	2.805399	13.5	1.060
30	0.141886	2.768334	12.9	1.058

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.0	24571.767335	*	4.000
1	0.014531	199.430449	87411.6	2.002
2	0.027712	43.176104	6495.9	1.559
3	0.040233	20.521515	1603.3	1.437
4	0.051536	13.223487	657.3	1.336
5	0.061639	9.837836	351.8	1.280
6	0.070597	8.039891	220.6	1.241
7	0.078568	6.885524	153.5	1.212
8	0.085686	6.103335	114.6	1.191
9	0.092070	5.541459	90.1	1.174
10	0.103025	4.792426	62.0	1.148
11	0.112064	4.318453	46.9	1.131
12	0.119638	3.992731	37.8	1.118
13	0.126071	3.755582	31.8	1.108
14	0.131539	3.575412	27.6	1.100
15	0.142517	3.271064	21.2	1.085
16	0.150579	3.081469	17.5	1.076
17	0.156772	2.952134	15.4	1.069
18	0.161678	2.858307	13.9	1.065
19	0.165658	2.787146	12.8	1.061
20	0.168951	2.731329	11.9	1.058
25	0.171722	2.686379	11.3	1.055
30	0.174084	2.649406	10.8	1.053

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.0	24681.467261	#	4.0000
1	0.018064	199.439673	77398.4	2.0002
2	0.033423	43.013258	5864.2	1.5955
3	0.047857	20.378231	1458.3	1.427
4	0.060848	13.095446	559.6	1.336
5	0.072402	9.769404	321.2	1.279
6	0.082662	7.927725	201.4	1.240
7	0.091794	6.777669	140.0	1.211
8	0.099954	5.998551	104.5	1.189
9	0.107276	5.438943	82.0	1.172
10	0.111986	4.692963	56.3	1.147
12	0.113026	4.220890	42.5	1.129
14	0.115899	3.856420	34.2	1.115
16	0.114641	3.660132	28.7	1.105
18	0.115281	3.480574	24.8	1.097
20	0.116546	3.177135	18.5	1.083
25	0.117483	2.987993	15.7	1.073
30	0.118205	2.858857	13.7	1.065
35	0.118777	2.765199	12.3	1.061
40	0.119242	2.694104	11.3	1.057
45	0.119628	2.638319	10.5	1.054
50	0.119953	2.593380	9.9	1.052
55	0.202302	2.556405	9.5	1.050
60				

CONFIDENCE LEVEL=.995
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.0	24767.170365	*	4.000
1	0.021224	199.446841	71224.1	2.002
2	0.038426	42.885698	5468.5	1.595
3	0.054477	20.265844	1366.2	1.427
4	0.068888	12.994876	562.7	1.335
5	0.081696	9.676254	301.5	1.278
6	0.093072	7.839395	185.0	1.239
7	0.103203	6.692619	131.3	1.210
8	0.112262	5.815824	97.8	1.188
9	0.120401	5.357915	76.8	1.171
10	0.134402	4.614188	52.6	1.145
12	0.145998	4.143478	35.6	1.127
14	0.155748	3.819877	31.7	1.114
16	0.164057	3.584163	26.6	1.103
18	0.171219	3.404994	22.0	1.095
20	0.185428	3.102076	17.5	1.080
25	0.195980	2.913135	14.4	1.071
30	0.204124	2.784100	12.5	1.064
35	0.210595	2.690397	11.2	1.059
40	0.215809	2.619266	10.5	1.055
45	0.220242	2.563430	9.6	1.052
50	0.223929	2.518433	9.0	1.049
55	0.227030	2.481359	8.6	1.047
60				

CONFIDENCE LEVEL=.995
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
20	1 0.0	24835.970812	*	4.000
	2 0.024025	199.452567	67113.1	2.002
	3 0.042801	42.783071	5201.9	1.595
	4 0.060232	20.175323	1303.7	1.426
	5 0.075860	12.913777	537.5	1.335
	6 0.089747	9.601052	287.9	1.278
	7 0.102086	7.768003	180.4	1.238
	8 0.113083	6.623805	125.2	1.209
	9 0.122926	5.848821	93.3	1.187
	10 0.131775	5.292224	73.1	1.170
	12 0.147021	4.550207	50.0	1.144
	14 0.159670	4.080502	37.6	1.126
	16 0.170325	3.757518	30.1	1.112
	18 0.179419	3.522191	25.1	1.102
	20 0.187269	3.343266	21.7	1.094
	25 0.202878	3.040621	16.4	1.079
	30 0.214502	2.851722	13.3	1.069
	35 0.223494	2.722637	11.7	1.062
	40 0.230656	2.623847	10.5	1.057
	45 0.236495	2.557616	9.6	1.053
	50 0.241347	2.501677	8.9	1.049
	55 0.245342	2.456581	8.4	1.047
	60 0.248945	2.419453	8.0	1.045

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25	1 0.0	24960.340449	*	4.000
	2 0.029735	199.462348	61273.5	2.002
	3 0.051555	42.597021	4817.3	1.595
	4 0.071677	20.010973	1212.5	1.426
	5 0.089639	12.766304	500.4	1.334
	6 0.105703	9.464088	268.0	1.277
	7 0.119952	7.637781	167.7	1.237
	8 0.132675	6.498097	116.2	1.208
	9 0.144086	5.726247	86.4	1.186
	10 0.154367	5.171887	67.6	1.168
	12 0.172135	4.432705	46.0	1.142
	14 0.186939	3.964581	34.5	1.124
	16 0.199457	3.642491	27.5	1.110
	18 0.210180	3.407663	22.9	1.099
	20 0.219467	3.228992	19.7	1.091
	25 0.238026	2.926430	14.8	1.076
	30 0.251936	2.737268	12.1	1.066
	35 0.262753	2.607806	10.4	1.058
	40 0.271406	2.513615	9.3	1.053
	45 0.278488	2.441952	8.5	1.049
	50 0.284392	2.385695	7.8	1.046
	55 0.289389	2.340249	7.4	1.043
	60 0.293673	2.302807	7.0	1.041

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
30		25043.627717		4.000
1	0.0	199.469677	58342.1	2.002
2	0.034031	42.472024	4619.6	1.595
3	0.058046	19.900369	1165.2	1.426
4	0.080117	12.666880	481.0	1.334
5	0.099869	9.371581	257.5	1.276
6	0.117446	7.549671	161.0	1.237
7	0.133108	6.412394	111.4	1.208
8	0.147115	5.643028	82.8	1.185
9	0.159700	5.090054	64.7	1.168
10	0.171061	4.352557	43.9	1.141
12	0.190745	3.885288	32.8	1.123
14	0.207203	3.563609	26.1	1.109
16	0.221165	3.328936	21.7	1.098
18	0.233160	3.150271	18.6	1.089
20	0.243579	2.847396	13.9	1.074
25	0.264490	2.657744	11.3	1.064
30	0.280249	2.527761	9.7	1.056
35	0.292560	2.433067	8.6	1.051
40	0.302448	2.360979	7.8	1.047
45	0.310568	2.304247	7.2	1.043
50	0.317356	2.258424	6.8	1.041
55	0.323117	2.220632	6.4	1.038
60	0.328063			

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35		25103.300271		4.000
1	0.0	199.474542	56688.3	2.002
2	0.033735	42.382262	4504.3	1.595
3	0.063016	19.820844	1137.3	1.426
4	0.086561	12.595300	469.5	1.334
5	0.107634	9.304893	251.2	1.276
6	0.126404	7.486067	157.0	1.236
7	0.143150	6.351308	108.6	1.207
8	0.158149	5.582800	80.5	1.185
9	0.171645	5.020756	62.9	1.167
10	0.183845	4.294343	42.6	1.141
12	0.205032	3.827570	31.3	1.122
14	0.222797	3.506073	25.2	1.108
16	0.237908	3.271405	20.9	1.097
18	0.250924	3.092643	17.9	1.088
20	0.262257	2.789315	13.3	1.073
25	0.285094	2.599112	10.8	1.062
30	0.302369	2.468581	9.3	1.055
35	0.315927	2.373375	8.3	1.049
40	0.326834	2.300818	7.4	1.045
45	0.335853	2.243660	6.8	1.042
50	0.343397	2.197452	6.4	1.039
55	0.349814	2.159311	6.0	1.037
60	0.355340			

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.0	25148.153262	*	4.000
1	0.039930	199.478181	55616.4	2.002
2	0.066931	42.314674	4430.4	1.595
3	0.091626	19.760909	1119.4	1.426
4	0.113735	12.541299	462.1	1.334
5	0.133446	9.254531	247.2	1.276
6	0.151050	7.437986	154.4	1.236
7	0.166836	6.304705	106.7	1.207
8	0.181057	5.537179	79.1	1.184
9	0.193930	4.985795	61.7	1.167
10	0.216325	4.250121	41.8	1.140
12	0.235147	3.783648	31.1	1.121
14	0.251195	3.462217	24.6	1.107
16	0.265048	3.227486	20.4	1.096
18	0.277133	3.048586	17.5	1.087
20	0.301551	2.744769	13.0	1.072
25	0.320117	2.534019	10.5	1.061
30	0.334730	2.422959	8.9	1.054
35	0.346543	2.327262	7.9	1.048
40	0.356299	2.254258	7.1	1.044
45	0.364496	2.196695	6.6	1.040
50	0.371483	2.150121	6.1	1.038
55	0.377511	2.111648	5.8	1.035
60				

CONFIDENCE LEVEL=.995
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.0	25193.097046	*	4.000
1	0.042109	199.481005	54883.7	2.002
2	0.070087	42.261948	4380.7	1.595
3	0.095706	19.714119	1107.3	1.426
4	0.118650	12.499108	457.1	1.334
5	0.139119	9.215151	244.4	1.276
6	0.157418	7.400359	152.6	1.236
7	0.173844	6.268205	105.4	1.207
8	0.188657	5.501419	78.1	1.184
9	0.202079	4.950526	60.9	1.166
10	0.223467	4.215379	41.2	1.140
12	0.245163	3.749091	30.6	1.121
14	0.261988	3.427665	24.2	1.107
16	0.276537	3.192840	20.1	1.096
18	0.289252	3.013789	17.1	1.087
20	0.315013	2.709489	12.7	1.071
25	0.334668	2.518223	10.2	1.061
30	0.350187	2.386567	8.7	1.053
35	0.362766	2.290512	7.7	1.047
40	0.373179	2.217092	6.9	1.043
45	0.381946	2.159153	6.4	1.040
50	0.389433	2.112237	5.9	1.037
55	0.395904	2.073455	5.6	1.034
60				

CONFIDENCE LEVEL=.995
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
50 1	0.0	25211.088779	*	4.000
2	0.043867	199.483262	54346.8	2.002
3	0.072685	42.219666	4345.3	1.594
4	0.099059	19.676575	1098.6	1.426
5	0.122689	12.465233	453.5	1.334
6	0.143784	9.183513	242.4	1.276
7	0.162657	7.370108	151.3	1.236
8	0.179613	6.233842	104.5	1.207
9	0.194917	5.472633	77.4	1.184
10	0.208798	4.922115	60.3	1.166
12	0.233014	4.187358	40.7	1.140
14	0.253443	3.721186	30.3	1.121
16	0.270923	3.399733	24.0	1.106
18	0.286063	3.164801	19.8	1.095
20	0.299313	2.985599	16.5	1.087
25	0.326221	2.680841	12.5	1.071
30	0.346815	2.489095	10.1	1.060
35	0.363119	2.357082	8.6	1.052
40	0.376366	2.260507	7.5	1.047
45	0.387335	2.186703	6.8	1.042
50	0.396625	2.128416	6.2	1.039
55	0.404535	2.081185	5.8	1.036
60	0.411419	2.042116	5.4	1.034

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55 1	0.0	25234.015065	*	4.000
2	0.045340	199.485105	53994.7	2.002
3	0.074857	42.185003	4319.0	1.594
4	0.101863	19.645784	1092.2	1.425
5	0.126066	12.437436	450.8	1.334
6	0.147636	9.157537	240.9	1.276
7	0.167041	7.345258	150.3	1.236
8	0.184443	6.214707	103.8	1.206
9	0.200162	5.448959	76.9	1.184
10	0.214429	4.898738	59.9	1.166
12	0.239349	4.164278	40.4	1.139
14	0.260402	3.698178	30.0	1.120
16	0.278442	3.376679	23.7	1.106
18	0.294087	3.141637	19.6	1.095
20	0.307798	2.962290	16.7	1.086
25	0.335697	2.657105	12.3	1.070
30	0.357108	2.464918	9.9	1.060
35	0.374039	2.332487	8.4	1.052
40	0.387935	2.233526	7.4	1.046
45	0.399433	2.161371	6.7	1.042
50	0.409130	2.102764	6.1	1.038
55	0.417475	2.055243	5.7	1.035
60	0.424691	2.015909	5.3	1.033

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
60	1 0.0	25 53.136964	53 704.7	4.000
	2 0.046593	19 9.486640	*	2.002
	3 0.076701	4 2.156075	4 299.3	1.594
	4 0.104241	1 9.620073	10 87.4	1.425
	5 0.128531	1 2.414216	4 48.8	1.334
	6 0.150996	9 1.35328	2 39.8	1.276
	7 0.170762	7 3.24481	1 49.6	1.236
	8 0.188544	6 1.94518	1 03.3	1.206
	9 0.204618	5 4.29146	7 6.5	1.184
	10 0.219217	4 8.79165	5 9.6	1.166
	12 0.244740	4 1.44935	4 0.2	1.139
	14 0.266330	3 6.78878	2 9.8	1.120
	16 0.284854	3 3.57326	2 3.6	1.106
	18 0.300938	3 1.22176	1 9.5	1.095
	20 0.315048	2 9.42692	1 6.6	1.086
	23 0.343814	2 6.37113	1 2.2	1.070
	30 0.365942	2 4.44525	9 9.3	1.059
	35 0.383540	2 3.11708	8 3.3	1.052
	40 0.397897	2 2.14395	7 3.3	1.046
	45 0.409850	2 1.39918	6 6.6	1.041
	50 0.419966	2 0.81017	6 0.0	1.038
	55 0.428645	2 0.33228	5 6.6	1.035
	60 0.436178	1 9.93651	5 3.3	1.032

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
1 1	0.00	405284.072584	*	4.000
1 2	0.00	998.500251	*	2.002
1 3	0.00	167.029224	*	1.596
1 4	0.00	74.127293	*	1.432
1 5	0.00	47.180779	*	1.348
1 6	0.00	35.507490	*	1.298
1 7	0.00	29.245193	*	1.265
1 8	0.00	25.414760	*	1.242
1 9	0.00	22.857125	*	1.225
1 10	0.00	21.039595	*	1.212
1 12	0.00	18.643322	*	1.193
1 14	0.00	17.143360	*	1.181
1 16	0.00	16.120196	*	1.172
1 18	0.00	15.379306	*	1.165
1 20	0.00	14.818776	*	1.160
1 25	0.00	13.876697	*	1.151
1 30	0.00	13.293014	*	1.145
1 35	0.00	12.856335	*	1.141
1 40	0.00	12.609358	*	1.138
1 45	0.00	12.392170	*	1.136
1 50	0.00	12.222106	*	1.134
1 55	0.00	12.085346	*	1.133
1 60	0.00	11.972987	*	1.132

CONFIDENCE LEVEL=.999
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2 1	0.00	499999.501262	*	4.000
2 2	0.00	999.000001	*	2.001
2 3	0.00	148.500000	*	1.593
2 4	0.00	61.243333	*	1.428
2 5	0.00	37.122330	*	1.341
2 6	0.00	27.000000	*	1.289
2 7	0.00	21.688999	*	1.254
2 8	0.00	18.493653	*	1.230
2 9	0.00	16.387150	*	1.212
2 10	0.00	14.905359	*	1.199
2 12	0.00	12.973666	*	1.179
2 14	0.00	11.779371	*	1.166
2 16	0.00	11.097099	*	1.156
2 18	0.00	10.389912	*	1.149
2 20	0.00	9.952623	*	1.144
2 25	0.00	9.222510	*	1.134
2 30	0.00	8.773398	*	1.128
2 35	0.00	8.469681	*	1.124
2 40	0.00	8.250751	*	1.121
2 45	0.00	8.085519	*	1.118
2 50	0.00	7.956418	*	1.116
2 55	0.00	7.852783	*	1.115
2 60	0.00	7.767762	*	1.114

CONFIDENCE LEVEL=.999
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

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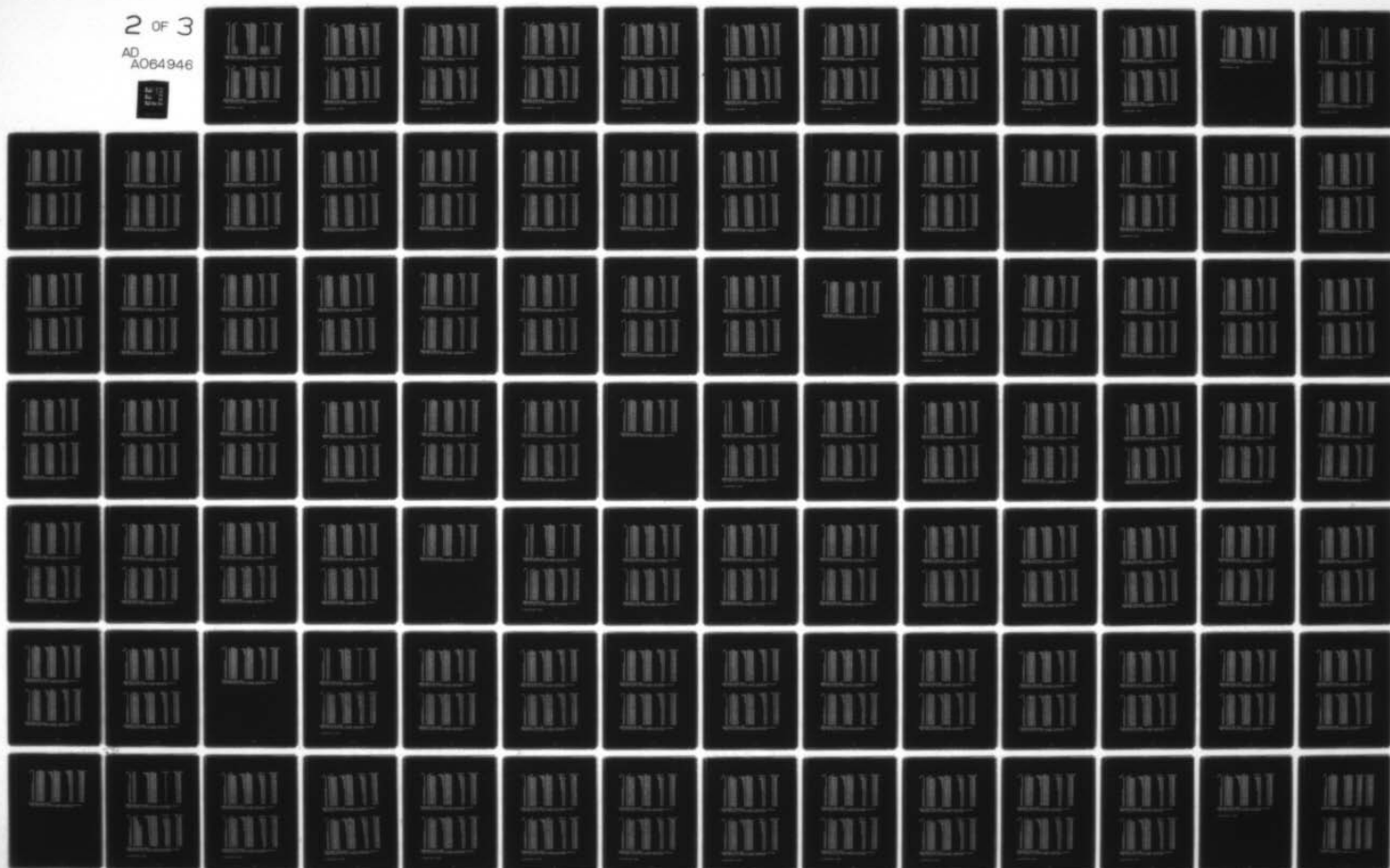
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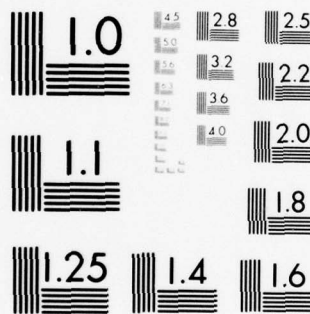
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

DF	C-1	C-2	A-2/A-1	REDUCTION
3		540379.203234	*	4.000
1	0.0	999.166619	*	2.001
2	0.0	141.108461	*	1.592
3	0.0	56.177188	*	1.426
4	0.0	33.202463	*	1.338
5	0.0	23.703309	*	1.285
6	0.0	18.772270	*	1.249
7	0.0	15.829490	*	1.224
8	0.0	13.901803	*	1.206
9	0.0	12.552745	*	1.192
10	0.0	10.804204	*	1.172
12	0.0	9.729366	*	1.158
14	0.0	9.005937	*	1.148
16	0.0	8.487455	*	1.141
18	0.0	8.098380	*	1.135
20	0.0	7.451075	*	1.125
25	0.0	7.054457	*	1.118
30	0.0	6.786970	9999999.0	1.114
35	1.9E-7	6.594540	9999999.0	1.111
40	2.1E-7	6.449532	4999999.0	1.108
45	2.3E-7	6.336371	4999999.0	1.106
50	2.4E-7	6.245620	4999999.0	1.104
55	2.6E-7	6.171231	4999999.0	1.103
60	2.7E-7			

CONFIDENCE LEVEL=.999
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4		562499.577559	*	4.000
1	0.0	999.249939	*	2.001
2	0.0	137.100363	*	1.592
3	0.0	53.435832	9999999.0	1.424
4	0.000006	31.035012	1999999.0	1.336
5	0.000014	21.923553	666665.7	1.282
6	0.000024	17.198011	312499.0	1.246
7	0.000035	14.391608	178570.4	1.220
8	0.000047	12.560349	112358.6	1.202
9	0.000060	11.282788	78124.0	1.187
10	0.000073	9.632775	45044.0	1.166
12	0.000097	8.622380	30302.0	1.152
14	0.000120	7.944273	22370.4	1.142
16	0.000141	7.459357	17635.7	1.134
18	0.000160	7.096122	14576.3	1.128
20	0.000177	6.493165	10297.7	1.117
25	0.000212	6.124641	8155.6	1.111
30	0.000240	5.876333	6890.8	1.106
35	0.000262	5.698274	6070.6	1.102
40	0.000280	5.564078	5499.6	1.100
45	0.000295	5.459437	5080.3	1.098
50	0.000308	5.375573	4758.6	1.096
55	0.000318	5.306865	4507.6	1.094
60	0.000328			

CONFIDENCE LEVEL=.999
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0	576404.562282	*	4.000
1	0.0	999.299930	*	2.001
2	0.000072	134.580051	3333332.3	1.591
3	0.000183	51.711642	357141.9	1.423
4	0.000327	29.752529	95237.1	1.334
5	0.000486	20.802859	38460.5	1.290
6	0.000649	16.206060	19919.3	1.243
7	0.000810	13.485014	12047.2	1.217
8	0.000964	11.714053	8109.3	1.198
9	0.001110	10.481167	5884.8	1.183
10	0.001378	8.892661	3611.7	1.161
12	0.001612	7.922453	2532.6	1.147
14	0.001816	7.272587	1934.0	1.136
16	0.001995	6.808575	1564.2	1.128
18	0.002152	6.461424	1317.9	1.122
20	0.002472	5.886056	964.4	1.111
25	0.002714	5.535001	780.7	1.103
30	0.002904	5.298939	670.4	1.098
35	0.003056	5.129488	597.4	1.095
40	0.003131	5.002011	545.9	1.092
45	0.003285	4.902664	507.7	1.090
50	0.003373	4.823079	478.3	1.088
55	0.003448	4.757902	455.1	1.086
60				

CONFIDENCE LEVEL=.999
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.0	585937.109212	*	4.000
1	0.0	999.333261	*	2.001
2	0.000463	132.847623	588234.3	1.591
3	0.000981	50.525350	78739.2	1.423
4	0.001569	28.834885	22987.5	1.333
5	0.002168	20.030380	9919.6	1.278
6	0.002748	15.521760	5360.9	1.241
7	0.003296	12.859130	3350.2	1.215
8	0.003809	11.129405	2310.1	1.195
9	0.004283	9.927048	1708.4	1.180
10	0.005128	8.380532	1077.1	1.157
12	0.005849	7.437729	769.3	1.142
14	0.006467	6.807103	595.1	1.131
16	0.007001	6.357321	485.9	1.123
18	0.007466	6.021112	412.4	1.116
20	0.008398	5.464499	305.6	1.105
25	0.009097	5.125306	249.3	1.097
30	0.009638	4.897421	215.1	1.092
35	0.010070	4.733945	192.4	1.088
40	0.010422	4.611025	176.2	1.085
45	0.010715	4.515268	164.2	1.083
50	0.010961	4.438584	155.0	1.081
55	0.011172	4.375800	147.6	1.079
60				

CONFIDENCE LEVEL=.999
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0	552873.290010	*	4.000
1	0.000419	999.357186	9999999.0	2.001
2	0.001396	131.583257	2222221.2	1.591
3	0.002652	49.658649	33221.6	1.422
4	0.003976	28.163791	10276.5	1.332
5	0.005265	19.464925	4588.3	1.276
6	0.006478	15.020426	2540.3	1.239
7	0.007601	12.400236	1614.5	1.212
8	0.008634	10.700443	1126.9	1.192
9	0.009579	9.520224	841.0	1.177
10	0.011240	8.004121	537.0	1.154
12	0.012640	7.081132	386.7	1.139
14	0.013830	6.464397	300.8	1.127
16	0.014851	6.024876	246.5	1.119
18	0.015736	5.696548	209.8	1.112
20	0.017499	5.153422	156.1	1.100
25	0.018813	4.822745	127.6	1.092
30	0.019827	4.600720	110.2	1.087
35	0.020633	4.441523	98.6	1.083
40	0.021289	4.321863	90.4	1.079
45	0.021833	4.228673	84.3	1.077
50	0.022291	4.154061	79.5	1.075
55	0.022633	4.092986	75.7	1.073
60				

CONFIDENCE LEVEL = .999
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.0	598144.159612	*	4.000
1	0.000999	999.375174	3333332.3	2.001
2	0.002891	130.619735	120480.9	1.591
3	0.005102	48.997480	19378.8	1.422
4	0.007340	27.651338	6191.0	1.331
5	0.009463	19.032740	2821.5	1.275
6	0.011426	14.636918	1583.5	1.238
7	0.013222	12.048915	1015.8	1.211
8	0.014858	10.371796	713.7	1.190
9	0.016348	9.208329	535.2	1.174
10	0.018944	7.715201	341.9	1.151
12	0.021119	6.807149	248.5	1.136
14	0.022960	6.200865	193.7	1.124
16	0.024534	5.769049	158.9	1.115
18	0.025895	5.446631	135.3	1.108
20	0.028599	4.913593	100.7	1.096
25	0.030607	4.589268	82.3	1.088
30	0.032156	4.371605	71.1	1.082
35	0.033385	4.215587	63.5	1.078
40	0.034385	4.098345	58.2	1.075
45	0.035213	4.007056	54.2	1.072
50	0.035910	3.933978	51.1	1.070
55	0.036505	3.874166	48.7	1.068
60				

CONFIDENCE LEVEL = .999
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESS IVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0	602284.001018	*	4.000
1	0.001840	999.389219	2499599.0	2.001
2	0.004799	129.861047	80644.2	1.591
3	0.008099	48.476350	13439.9	1.421
4	0.011328	27.247041	4394.6	1.331
5	0.014340	18.691461	2029.5	1.274
6	0.017096	14.333820	1148.6	1.237
7	0.019600	11.771034	740.8	1.209
8	0.021869	10.111658	522.4	1.189
9	0.023927	8.961283	392.7	1.173
10	0.027501	7.486077	253.0	1.149
11	0.030484	6.589647	183.1	1.133
12	0.033003	5.991475	142.7	1.121
14	0.035155	5.565627	117.1	1.112
16	0.037012	5.247776	99.7	1.105
18	0.040698	4.722513	74.1	1.092
20	0.043434	4.403063	60.5	1.084
25	0.045542	4.188738	52.1	1.078
30	0.047215	4.035145	46.6	1.074
35	0.048575	3.919746	42.6	1.071
40	0.049701	3.829902	39.6	1.068
45	0.050650	3.757989	37.3	1.066
50	0.051459	3.699135	35.5	1.064

CONFIDENCE LEVEL=.999
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0	605620.969187	*	4.000
1	0.002890	999.400503	1666665.7	2.001
2	0.007004	129.248118	60240.0	1.591
3	0.011413	48.054948	10383.2	1.421
4	0.015644	26.919819	3444.9	1.330
5	0.019549	18.415004	1604.7	1.274
6	0.023098	14.088090	912.9	1.236
7	0.026308	11.545575	590.7	1.208
8	0.029208	9.900443	417.4	1.187
9	0.031832	8.760564	314.2	1.171
10	0.036380	7.299696	202.6	1.147
12	0.040169	6.412538	146.6	1.131
14	0.043366	5.820820	114.3	1.115
16	0.046095	5.399708	93.7	1.110
18	0.048450	5.085472	79.7	1.102
20	0.053123	4.566340	55.1	1.089
25	0.056590	4.250719	48.1	1.081
30	0.059263	4.039004	41.4	1.075
35	0.061384	3.887302	36.9	1.071
40	0.063109	3.773333	33.7	1.067
45	0.064538	3.684611	31.3	1.065
50	0.065741	3.613599	29.5	1.062
55	0.066767	3.555485	28.0	1.061

CONFIDENCE LEVEL=.999
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.0	610667.832302	*	4.000
1	0.005369	999.417505	1111110.1	2.001
2	0.011790	128.318528	41665.7	1.590
3	0.018340	47.415054	7433.9	1.421
4	0.024483	26.422340	2510.3	1.329
5	0.030080	17.994215	1180.6	1.273
6	0.035131	13.713653	675.4	1.234
7	0.039677	11.201664	438.4	1.206
8	0.043773	9.577940	310.2	1.185
9	0.047473	8.453804	233.6	1.169
10	0.053876	7.014375	150.6	1.145
12	0.059207	6.141017	108.8	1.128
14	0.063704	5.559362	84.6	1.115
16	0.067544	5.144737	69.2	1.106
18	0.070859	4.835813	58.8	1.098
20	0.077445	4.325634	43.3	1.085
25	0.082339	4.015554	35.1	1.076
35	0.086116	3.807389	30.1	1.070
40	0.089118	3.658587	26.3	1.066
45	0.091560	3.546652	24.4	1.062
50	0.093586	3.459314	22.6	1.059
55	0.095293	3.389771	21.2	1.057
60	0.096750	3.332695	20.1	1.055

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.0	614302.749952	*	4.000
1	0.008033	999.429707	833332.3	2.001
2	0.016579	127.646865	333332.3	1.590
3	0.025054	46.952032	6074.3	1.420
4	0.032903	26.061845	2071.5	1.329
5	0.040011	17.638857	979.2	1.272
6	0.046404	13.441559	561.3	1.233
7	0.052149	10.931425	364.2	1.205
8	0.057321	9.342989	258.2	1.184
9	0.061993	8.230061	194.4	1.167
10	0.070078	6.805827	125.1	1.143
12	0.076816	5.942186	90.2	1.126
14	0.082507	5.366719	69.9	1.113
16	0.087372	4.957447	57.1	1.103
18	0.091577	4.652188	48.3	1.096
20	0.099946	4.148123	35.5	1.082
25	0.106132	3.841770	28.6	1.075
35	0.111004	3.636296	24.4	1.067
40	0.114843	3.489067	21.6	1.062
45	0.117971	3.378453	19.7	1.058
50	0.120568	3.292335	18.2	1.055
55	0.122759	3.223401	17.0	1.053
60	0.124631	3.166983	16.1	1.051

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.0	617045.192002	*	4.000
1	0.010651	999.438869	714284.7	2.001
2	0.021074	127.138324	289000.7	1.590
3	0.031232	46.601378	5326.7	1.420
4	0.040573	25.788499	1827.2	1.328
5	0.049003	17.457037	865.9	1.271
6	0.056577	13.234747	497.0	1.232
7	0.063380	10.761008	322.9	1.204
8	0.069506	9.164010	223.4	1.183
9	0.075041	8.059445	171.8	1.166
10	0.084631	6.646496	110.4	1.141
12	0.092634	5.790024	79.3	1.124
14	0.099405	5.219454	61.4	1.111
16	0.105203	4.813710	50.0	1.101
18	0.110221	4.511096	42.2	1.093
20	0.112023	4.011386	30.8	1.079
25	0.127711	3.707641	24.8	1.070
30	0.133508	3.503980	21.1	1.064
35	0.138132	3.357850	18.6	1.059
40	0.141906	3.248117	16.9	1.055
45	0.145043	3.162670	15.6	1.052
50	0.147693	3.094263	14.6	1.050
55	0.149960	3.038268	13.9	1.048
60				

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.0	619187.694625	*	4.000
1	0.013115	999.445987	624999.0	2.000
2	0.025174	126.741039	26177.0	1.590
3	0.036794	46.326577	4867.5	1.420
4	0.047433	25.574058	1674.9	1.328
5	0.057020	17.274984	794.9	1.271
6	0.065627	13.072167	456.4	1.232
7	0.073360	10.611169	296.4	1.204
8	0.080328	9.023038	209.6	1.182
9	0.086629	7.924938	157.5	1.165
10	0.097539	6.520676	101.0	1.140
12	0.106697	5.669682	72.4	1.123
14	0.114441	5.102828	55.9	1.110
16	0.121084	4.699739	45.5	1.100
18	0.126842	4.399098	38.3	1.092
20	0.138354	3.902593	27.9	1.078
25	0.146981	3.600725	22.3	1.063
30	0.153684	3.398170	18.9	1.062
35	0.159041	3.252967	16.6	1.057
40	0.163420	3.143830	15.0	1.053
45	0.167066	3.058827	13.9	1.050
50	0.170149	2.990762	12.9	1.047
55	0.172789	2.935036	12.2	1.045
60				

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.0	620907.664787	*	4.000
1	0.015384	999.451691	555554.6	2.000
2	0.028867	126.421246	24389.2	1.590
3	0.041759	46.105400	4561.0	1.420
4	0.053530	25.401310	1573.1	1.328
5	0.064128	17.128194	747.1	1.271
6	0.073643	12.940963	428.9	1.232
7	0.082197	10.490143	278.5	1.203
8	0.089910	8.909080	196.7	1.181
9	0.096890	7.816119	147.7	1.164
10	0.109016	6.418733	94.5	1.139
12	0.119171	5.572047	67.7	1.122
14	0.127793	5.008091	52.2	1.109
16	0.135201	4.607055	42.3	1.098
18	0.141631	4.307927	35.6	1.090
20	0.154515	3.813840	25.8	1.076
25	0.164204	3.513353	20.6	1.067
30	0.171747	3.311660	17.4	1.060
35	0.177787	3.167032	15.3	1.055
40	0.182732	3.058296	13.8	1.051
45	0.186856	2.973585	12.7	1.048
50	0.190347	2.905737	11.8	1.045
55	0.193340	2.850177	11.1	1.043
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CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.0	624016.828156	*	4.000
1	0.020201	999.461946	459555.0	2.000
2	0.036515	125.841762	21880.8	1.590
3	0.051939	45.704213	4124.4	1.420
4	0.065973	25.087586	1426.8	1.328
5	0.078606	16.861288	678.0	1.270
6	0.089959	12.702106	389.1	1.231
7	0.100132	10.269552	252.3	1.202
8	0.109418	8.701130	178.0	1.180
9	0.117796	7.617326	133.4	1.153
10	0.132394	6.232108	85.0	1.138
12	0.144674	5.392960	60.6	1.120
14	0.155142	4.834011	46.6	1.107
16	0.164170	4.436472	37.6	1.096
18	0.172035	4.139878	31.6	1.088
20	0.187830	3.649721	22.7	1.073
25	0.199868	3.351360	18.0	1.064
30	0.209257	3.150916	15.1	1.057
35	0.216810	3.007061	13.2	1.052
40	0.223019	2.898821	11.8	1.048
45	0.228214	2.814437	10.8	1.045
50	0.232624	2.746806	10.1	1.042
55	0.236415	2.691392	9.5	1.040
60				

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.0	626098.966436	*	4.000
1	0.023979	999.468755	454544.5	2.000
2	0.042377	125.452711	20617.6	1.590
3	0.059674	45.434506	3902.2	1.420
4	0.075393	24.876383	1351.6	1.327
5	0.089550	16.681346	642.3	1.270
6	0.102290	12.540844	368.4	1.231
7	0.113782	10.120411	238.6	1.202
8	0.124183	8.560342	168.1	1.180
9	0.133635	7.482556	125.9	1.163
10	0.150152	6.105263	80.0	1.137
12	0.164097	5.270947	56.9	1.119
14	0.176026	4.715148	43.6	1.106
16	0.186348	4.319757	35.1	1.095
18	0.195366	4.024680	29.4	1.087
20	0.213620	3.536751	21.0	1.072
25	0.227512	3.239467	16.5	1.062
30	0.238445	3.039562	13.8	1.055
35	0.247278	2.895967	12.0	1.050
40	0.254564	2.787336	10.8	1.046
45	0.260679	2.703472	9.3	1.042
50	0.265885	2.635812	9.1	1.040
55	0.270371	2.580339	8.5	1.038

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.0	627590.727820	*	4.000
1	0.026972	999.473620	434781.6	2.000
2	0.046960	125.173461	19919.3	1.590
3	0.065690	45.240729	3772.6	1.420
4	0.082706	24.724483	1307.7	1.327
5	0.098044	16.551793	621.4	1.270
6	0.111863	12.424614	356.2	1.230
7	0.124346	10.012803	230.5	1.201
8	0.135664	8.458653	162.3	1.180
9	0.145964	7.395113	121.4	1.162
10	0.164006	6.013365	77.0	1.137
12	0.179237	5.182384	54.6	1.118
14	0.192396	4.628718	41.3	1.105
16	0.203770	4.234751	33.6	1.094
18	0.213733	3.940648	28.0	1.086
20	0.223979	3.454060	19.9	1.071
25	0.249465	3.157327	15.6	1.061
30	0.261704	2.957613	13.0	1.054
35	0.271629	2.814033	11.3	1.048
40	0.279843	2.705827	10.1	1.044
45	0.286755	2.621343	9.2	1.041
50	0.292634	2.553541	8.5	1.038
55	0.297749	2.497917	7.9	1.036

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
40	1 0.0	628712.027091	*	4.000
	2 0.029385	999.477257	434781.6	2.000
	3 0.050621	124.963276	19454.3	1.590
	4 0.070480	45.094769	3690.4	1.420
	5 0.088524	24.609976	1279.7	1.327
	6 0.104800	16.454050	607.9	1.270
	7 0.119481	12.336851	348.3	1.230
	8 0.132760	9.931482	225.3	1.201
	9 0.144814	8.381741	158.5	1.179
	10 0.155800	7.311352	118.5	1.162
	12 0.175081	5.943691	75.0	1.136
	14 0.191454	5.115136	53.2	1.118
	16 0.205535	4.562996	40.6	1.104
	18 0.217779	4.170022	32.6	1.094
	20 0.228529	3.876380	27.2	1.085
	25 0.250446	3.290833	19.2	1.070
	30 0.267283	3.094364	15.1	1.060
	35 0.280642	2.894660	12.5	1.053
	40 0.291509	2.750973	10.9	1.047
	45 0.300527	2.642504	9.6	1.043
	50 0.308137	2.557934	8.8	1.040
	55 0.314645	2.489938	8.1	1.037
	60 0.320277	2.434122	7.5	1.035

CONFIDENCE LEVEL = .999
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45	1 0.0	629585.606220	*	4.000
	2 0.031365	999.480063	416665.7	2.000
	3 0.053604	124.799352	19119.5	1.590
	4 0.074376	44.980869	3635.4	1.419
	5 0.093251	24.520563	1260.5	1.327
	6 0.110290	16.377678	598.7	1.270
	7 0.125674	12.268231	342.9	1.230
	8 0.139604	9.867856	221.7	1.201
	9 0.152264	8.321524	155.9	1.179
	10 0.163815	7.253564	116.4	1.162
	12 0.184122	5.889034	73.7	1.136
	14 0.201403	5.062317	52.1	1.118
	16 0.216296	4.511313	39.7	1.104
	18 0.229272	4.119063	31.9	1.093
	20 0.240686	3.826086	26.5	1.085
	25 0.264024	3.340879	18.7	1.069
	30 0.282021	3.044512	14.6	1.059
	35 0.296347	2.844722	12.1	1.052
	40 0.308034	2.700867	10.5	1.046
	45 0.317759	2.592294	9.3	1.042
	50 0.325981	2.507409	8.5	1.039
	55 0.333029	2.439198	7.8	1.036
	60 0.339138	2.383173	7.3	1.034

CONFIDENCE LEVEL = .999
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.0	630285.370070	*	4.000
1	0.033013	999.482337	416665.7	2.000
2	0.056077	124.667929	18902.6	1.590
3	0.077600	44.889508	3596.1	1.419
4	0.097164	24.448809	1247.0	1.327
5	0.114834	16.316357	592.2	1.269
6	0.130803	12.213103	339.1	1.230
7	0.145275	9.816713	219.2	1.201
8	0.158441	8.273095	154.0	1.179
9	0.170465	7.207062	115.0	1.162
10	0.191634	5.845004	72.7	1.136
12	0.209682	5.019722	51.4	1.117
14	0.225264	4.469553	39.1	1.104
16	0.238864	4.077887	31.4	1.093
18	0.250845	3.785249	26.1	1.084
20	0.275405	3.300394	18.4	1.069
25	0.294408	3.004034	14.3	1.059
30	0.309578	2.804107	11.9	1.051
35	0.321985	2.660054	10.2	1.046
40	0.332332	2.551261	9.1	1.042
45	0.341100	2.466151	8.2	1.038
50	0.343627	2.397721	7.6	1.035
60	0.355163	2.341485	7.0	1.033

CONFIDENCE LEVEL=.999
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.0	630858.524891	*	4.000
1	0.034405	999.484166	416665.7	2.000
2	0.058159	124.560214	18760.7	1.590
3	0.080312	44.814600	3566.6	1.419
4	0.100452	24.389951	1236.9	1.327
5	0.118655	16.266035	587.3	1.269
6	0.135117	12.167844	336.2	1.230
7	0.150048	9.774704	217.3	1.201
8	0.163641	8.233297	152.6	1.179
9	0.176067	7.168830	113.9	1.161
10	0.197970	5.808773	71.9	1.136
12	0.216675	4.984640	50.8	1.117
14	0.232848	4.435202	38.7	1.103
16	0.246985	4.043917	31.0	1.093
18	0.259437	3.751532	25.8	1.084
20	0.285079	3.266906	18.1	1.069
25	0.304961	2.970496	14.1	1.058
30	0.320874	2.770407	11.7	1.051
35	0.333919	2.626144	10.0	1.045
40	0.344820	2.517128	8.9	1.041
45	0.354073	2.431794	8.0	1.038
50	0.362031	2.363147	7.4	1.035
60	0.368952	2.306704	6.9	1.032

CONFIDENCE LEVEL=.999
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
60	1 0.0	631336.553997	A-2/A-1 *	4.000
	2 0.035595	999.485705	399999.0	2.000
	3 0.059934	124.470323	18421.0	1.590
	4 0.082621	44.752065	3345.1	1.419
	5 0.103253	24.340798	1229.5	1.327
	6 0.121910	16.223995	583.7	1.269
	7 0.138793	12.130019	334.0	1.230
	8 0.154117	9.739583	215.8	1.201
	9 0.168078	8.200011	151.6	1.179
10	0.180849	7.136842	113.1	1.161
12	0.203385	5.778433	71.4	1.135
14	0.222657	4.955242	50.4	1.117
16	0.239344	4.406361	38.3	1.103
18	0.253948	4.015409	30.7	1.093
20	0.266848	3.723216	25.5	1.084
25	0.293401	3.238737	17.9	1.068
30	0.314059	2.942245	13.9	1.058
35	0.330630	2.741981	11.5	1.051
40	0.344244	2.597509	9.9	1.045
45	0.355640	2.488272	8.7	1.041
50	0.365330	2.402720	7.9	1.037
55	0.373676	2.333863	7.3	1.034
60	0.380944	2.277221	6.7	1.032

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0000	0.4733	*	2.0000
2	0.0000	0.5556	*	1.4733
3	0.0000	0.6822	*	1.3333
4	0.0000	0.8077	*	1.2500
5	0.0000	0.9172	*	1.1905
6	0.0000	1.0000	*	1.1429
7	0.0000	1.0651	*	1.1034
8	0.0000	1.1155	*	1.0714
9	0.0000	1.1611	*	1.0444
10	0.0000	1.2022	*	1.0217
11	0.0000	1.2399	*	1.0027
12	0.0000	1.2744	*	0.9868
13	0.0000	1.3059	*	0.9733
14	0.0000	1.3344	*	0.9615
15	0.0000	1.3600	*	0.9510
16	0.0000	1.3828	*	0.9415
17	0.0000	1.4028	*	0.9330
18	0.0000	1.4200	*	0.9253
19	0.0000	1.4344	*	0.9183
20	0.0000	1.4461	*	0.9119
21	0.0000	1.4551	*	0.9061
22	0.0000	1.4614	*	0.9008
23	0.0000	1.4659	*	0.8960
24	0.0000	1.4687	*	0.8916
25	0.0000	1.4700	*	0.8875
26	0.0000	1.4700	*	0.8837
27	0.0000	1.4687	*	0.8799
28	0.0000	1.4659	*	0.8764
29	0.0000	1.4614	*	0.8730
30	0.0000	1.4551	*	0.8697
31	0.0000	1.4461	*	0.8664
32	0.0000	1.4344	*	0.8632
33	0.0000	1.4200	*	0.8600
34	0.0000	1.4028	*	0.8568
35	0.0000	1.3828	*	0.8536
36	0.0000	1.3600	*	0.8504
37	0.0000	1.3344	*	0.8472
38	0.0000	1.3059	*	0.8440
39	0.0000	1.2744	*	0.8408
40	0.0000	1.2399	*	0.8376
41	0.0000	1.2022	*	0.8344
42	0.0000	1.1611	*	0.8312
43	0.0000	1.1155	*	0.8280
44	0.0000	1.0651	*	0.8248
45	0.0000	1.0000	*	0.8216
46	0.0000	0.9172	*	0.8184
47	0.0000	0.8077	*	0.8152
48	0.0000	0.6822	*	0.8120
49	0.0000	0.5556	*	0.8088
50	0.0000	0.4733	*	0.8056

CONFIDENCE LEVEL = .3
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0000	0.0935	2.6	0.9400
3	0.0006	0.1544	2.4	0.9600
4	0.0017	0.2141	2.2	0.9800
5	0.0031	0.2714	2.0	1.0000
6	0.0047	0.3256	1.8	1.0200
7	0.0064	0.3756	1.6	1.0400
8	0.0082	0.4214	1.4	1.0600
9	0.0100	0.4628	1.2	1.0800
10	0.0119	0.5000	1.0	1.1000
11	0.0138	0.5333	0.8	1.1200
12	0.0157	0.5625	0.6	1.1400
13	0.0176	0.5875	0.4	1.1600
14	0.0195	0.6083	0.2	1.1800
15	0.0214	0.6250	0.0	1.2000
16	0.0233	0.6375	0.0	1.2200
17	0.0252	0.6458	0.0	1.2400
18	0.0271	0.6500	0.0	1.2600
19	0.0290	0.6500	0.0	1.2800
20	0.0309	0.6458	0.0	1.3000
21	0.0328	0.6375	0.0	1.3200
22	0.0347	0.6250	0.0	1.3400
23	0.0366	0.6083	0.0	1.3600
24	0.0385	0.5875	0.0	1.3800
25	0.0404	0.5625	0.0	1.4000
26	0.0423	0.5333	0.0	1.4200
27	0.0442	0.5000	0.0	1.4400
28	0.0461	0.4628	0.0	1.4600
29	0.0480	0.4214	0.0	1.4800
30	0.0499	0.3756	0.0	1.5000
31	0.0518	0.3256	0.0	1.5200
32	0.0537	0.2714	0.0	1.5400
33	0.0556	0.2141	0.0	1.5600
34	0.0575	0.1544	0.0	1.5800
35	0.0594	0.0935	0.0	1.6000
36	0.0613	0.0300	0.0	1.6200
37	0.0632	0.0000	0.0	1.6400
38	0.0651	0.0000	0.0	1.6600
39	0.0670	0.0000	0.0	1.6800
40	0.0689	0.0000	0.0	1.7000
41	0.0708	0.0000	0.0	1.7200
42	0.0727	0.0000	0.0	1.7400
43	0.0746	0.0000	0.0	1.7600
44	0.0765	0.0000	0.0	1.7800
45	0.0784	0.0000	0.0	1.8000
46	0.0803	0.0000	0.0	1.8200
47	0.0822	0.0000	0.0	1.8400
48	0.0841	0.0000	0.0	1.8600
49	0.0860	0.0000	0.0	1.8800
50	0.0879	0.0000	0.0	1.9000

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.008362	13.287319	121.2	1.940
4	0.030936	4.401782	100.4	1.332
5	0.050049	3.198184	100.5	1.209
6	0.064277	2.757367	7.3	1.147
7	0.074940	2.532427	5.9	1.115
8	0.083132	2.396708	5.0	1.094
9	0.089587	2.306108	4.5	1.081
10	0.094793	2.241400	4.1	1.071
11	0.099072	2.192398	3.8	1.064
12	0.102648	2.155200	3.6	1.058
13	0.105833	2.100424	3.3	1.050
14	0.111251	2.062549	3.1	1.045
15	0.115809	2.034802	3.0	1.041
16	0.118444	2.012600	2.9	1.038
17	0.120399	1.996872	2.8	1.035
18	0.121732	1.987274	2.7	1.033
19	0.122932	1.974789	2.6	1.031
20	0.124005	1.963422	2.5	1.029
21	0.124932	1.952406	2.4	1.027
22	0.125714	1.941622	2.3	1.025
23	0.126350	1.930997	2.2	1.024
24	0.126840	1.920486	2.1	1.023
25	0.127285	1.910066	2.0	1.023
26	0.127687	1.900661	1.9	1.023

CONFIDENCE LEVEL = .8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.018787	13.911995	105.6	1.949
5	0.053556	4.500000	100.0	1.57
6	0.084368	3.229333	9.8	1.10
7	0.105419	2.761311	6.8	1.147
8	0.121093	2.522564	5.4	1.112
9	0.133133	2.377953	4.6	1.091
10	0.142605	2.281148	4.1	1.076
11	0.150254	2.211833	3.7	1.066
12	0.156549	2.159765	3.3	1.059
13	0.161826	2.119216	3.0	1.053
14	0.166187	2.086015	2.8	1.044
15	0.170133	2.059195	2.6	1.039
16	0.173851	2.038912	2.5	1.035
17	0.177333	2.024790	2.4	1.031
18	0.180583	2.015643	2.3	1.029
19	0.183633	2.009473	2.2	1.027
20	0.186499	2.005122	2.1	1.025
21	0.189133	2.002375	2.0	1.024
22	0.191599	2.000664	1.9	1.023
23	0.193933	2.000000	1.8	1.023
24	0.196133	2.000000	1.7	1.023
25	0.198200	2.000000	1.6	1.023
26	0.200133	2.000000	1.5	1.023
27	0.201933	2.000000	1.4	1.023
28	0.203599	2.000000	1.3	1.023
29	0.205133	2.000000	1.2	1.023
30	0.206533	2.000000	1.1	1.023
31	0.207800	2.000000	1.0	1.023
32	0.208933	2.000000	0.9	1.023
33	0.209933	2.000000	0.8	1.023
34	0.210833	2.000000	0.7	1.023
35	0.211633	2.000000	0.6	1.023
36	0.212333	2.000000	0.5	1.023

CONFIDENCE LEVEL = .8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.022825	1.428880	102.3	1.557
1	0.075329	1.454891	19.0	1.364
2	0.111300	1.523446	9.8	1.214
3	0.137426	1.550920	6.8	1.145
4	0.156906	1.550275	5.3	1.113
5	0.171884	1.551102	4.4	1.091
6	0.183372	1.558666	4.0	1.076
7	0.193329	1.578586	3.6	1.065
8	0.200781	1.624001	3.3	1.057
9	0.207199	1.693141	3.1	1.051
10	0.212182	1.701955	3.0	1.042
11	0.216666	1.707603	2.9	1.036
12	0.220333	1.709198	2.8	1.032
13	0.223373	1.708433	2.7	1.029
14	0.225441	1.706624	2.6	1.026
15	0.226608	1.704336	2.5	1.023
16	0.226979	1.701582	2.4	1.019
17	0.226531	1.698066	2.3	1.018
18	0.225333	1.693926	2.2	1.016
19	0.223655	1.688327	2.1	1.014
20	0.221783	1.681292	2.0	1.011

CONFIDENCE LEVEL = .8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.036137	1.454019	104.2	1.564
1	0.091026	1.577269	19.3	1.369
2	0.132266	1.723343	9.9	1.218
3	0.166331	1.738166	6.8	1.153
4	0.184779	1.748331	5.3	1.115
5	0.198208	1.752843	4.4	1.092
6	0.207584	1.754228	4.0	1.077
7	0.213581	1.759330	3.6	1.066
8	0.216694	1.760280	3.3	1.057
9	0.217361	1.764866	3.1	1.051
10	0.215615	1.763408	2.9	1.042
11	0.212654	1.760899	2.8	1.035
12	0.207727	1.756591	2.7	1.028
13	0.201393	1.750422	2.6	1.023
14	0.193858	1.742473	2.5	1.018
15	0.185546	1.733769	2.4	1.016
16	0.176555	1.724229	2.3	1.015
17	0.167093	1.713512	2.2	1.013
18	0.157150	1.701760	2.1	1.011
19	0.146833	1.689431	2.0	1.011
20	0.136144	1.674216	1.9	1.011

CONFIDENCE LEVEL = .8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.042603	14.719753	106.1	1.969
1	0.103454	4.55470	19.6	1.374
3	0.148897	3.230174	10.0	1.222
4	0.182021	2.726191	6.9	1.154
5	0.206861	2.466416	5.4	1.117
6	0.226079	2.308104	4.5	1.094
7	0.241357	2.201439	4.0	1.078
8	0.253782	2.124615	3.6	1.066
9	0.264080	2.066596	3.3	1.058
10	0.272751	2.021196	3.1	1.051
12	0.286540	1.954666	2.8	1.042
14	0.297015	1.908203	2.6	1.035
16	0.305240	1.873884	2.4	1.031
18	0.311870	1.847482	2.3	1.027
20	0.317328	1.826531	2.2	1.024
25	0.327515	1.789171	2.0	1.020
30	0.334579	1.764494	1.9	1.017
35	0.339766	1.746968	1.8	1.015
40	0.343736	1.733875	1.8	1.014
45	0.346873	1.723719	1.8	1.012
50	0.349414	1.715611	1.7	1.011
55	0.351513	1.708988	1.7	1.011
60	0.353278	1.703475	1.7	1.010

CONFIDENCE LEVEL=.8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.047933	14.854438	108.2	1.973
1	0.113505	4.608027	20.0	1.378
3	0.162302	3.226349	10.2	1.225
4	0.197939	2.715611	7.0	1.157
5	0.224740	2.451902	5.5	1.119
6	0.245535	2.290913	4.6	1.095
7	0.262111	2.182265	4.0	1.076
8	0.275624	2.105394	3.6	1.067
9	0.286847	2.044622	3.3	1.058
10	0.296316	1.996184	3.1	1.052
12	0.311412	1.930018	2.8	1.042
14	0.322911	1.882330	2.6	1.035
16	0.331962	1.847031	2.5	1.030
18	0.339272	1.819844	2.3	1.027
20	0.345300	1.798243	2.2	1.024
25	0.356577	1.759662	2.0	1.019
30	0.364418	1.734128	1.9	1.016
35	0.370137	1.715968	1.8	1.014
40	0.374609	1.702384	1.8	1.013
45	0.378106	1.691839	1.7	1.012
50	0.380943	1.683413	1.7	1.011
55	0.383283	1.676526	1.7	1.010
60	0.385261	1.670791	1.6	1.010

CONFIDENCE LEVEL=.6
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

9 DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0523371	14.9553221	110.2	1.976
2	0.051231772	14.617161	10.2	1.381
3	0.0501173316	13.2225559	20.4	1.228
4	0.04900331036	12.706422	10.4	1.159
5	0.0478893477	12.439527	7.1	1.121
6	0.0467751602	12.276345	5.5	1.097
7	0.0456619281	12.166057	4.6	1.080
8	0.0445487324	12.086394	4.0	1.068
9	0.0434355353	12.026070	3.6	1.059
10	0.0423223383	11.978753	3.3	1.052
11	0.0412091413	11.9309193	3.1	1.042
12	0.0400959443	11.8860432	2.8	1.035
13	0.0389827473	11.8334301	2.5	1.030
14	0.0378695503	11.7736429	2.4	1.027
15	0.0367563533	11.7142559	2.3	1.024
16	0.0356431563	11.654600	2.2	1.019
17	0.0345299593	11.593303	2.0	1.016
18	0.0334167623	11.530375	1.8	1.014
19	0.0323035653	11.465550	1.7	1.011
20	0.0311903684	11.400653	1.6	1.010
21	0.0300771714	11.3353940	1.5	1.009
22	0.0289639744	11.269814	1.4	1.009
23	0.0278507774	11.2042376	1.3	1.009
24	0.0267375804	11.138661	1.2	1.009
25	0.0256243834	11.073084	1.1	1.009
26	0.0245111864	11.007507	1.0	1.009
27	0.0233979894	10.941930	0.9	1.009
28	0.0222847924	10.876353	0.8	1.009
29	0.0211715954	10.810776	0.7	1.009
30	0.0200583984	10.745199	0.6	1.009
31	0.0189452014	10.679622	0.5	1.009
32	0.0178320044	10.614045	0.4	1.009
33	0.0167188074	10.548468	0.3	1.009
34	0.0156056104	10.482891	0.2	1.009
35	0.0144924134	10.417314	0.1	1.009
36	0.0133792164	10.351737	0.0	1.009
37	0.0122660194	10.286160	0.0	1.009
38	0.0111528224	10.220583	0.0	1.009
39	0.0100396254	10.155006	0.0	1.009
40	0.0089264284	10.089429	0.0	1.009
41	0.0078132314	10.023852	0.0	1.009
42	0.0067000344	9.958275	0.0	1.009
43	0.0055868374	9.892698	0.0	1.009
44	0.0044736404	9.827121	0.0	1.009
45	0.0033604434	9.761544	0.0	1.009
46	0.0022472464	9.695967	0.0	1.009
47	0.0011340494	9.630390	0.0	1.009
48	0.0000208524	9.564813	0.0	1.009
49	0.0000000000	9.499236	0.0	1.009
50	0.0000000000	9.433659	0.0	1.009
51	0.0000000000	9.368082	0.0	1.009
52	0.0000000000	9.302505	0.0	1.009
53	0.0000000000	9.236928	0.0	1.009
54	0.0000000000	9.171351	0.0	1.009
55	0.0000000000	9.105774	0.0	1.009
56	0.0000000000	9.040197	0.0	1.009
57	0.0000000000	8.974620	0.0	1.009
58	0.0000000000	8.909043	0.0	1.009
59	0.0000000000	8.843466	0.0	1.009
60	0.0000000000	8.777889	0.0	1.009

CONFIDENCE LEVEL=.8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

10 DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0561111	15.043077	112.3	1.979
2	0.054996675	14.6224081	10.3	1.384
3	0.0538822514	13.23190015	20.7	1.230
4	0.0527678286	12.7104338	10.7	1.161
5	0.0516534058	12.428926	7.3	1.123
6	0.0505389830	12.263911	5.6	1.098
7	0.0494245602	12.1533359	4.7	1.081
8	0.0483101374	12.071479	4.1	1.069
9	0.0471957146	12.0010356	3.7	1.060
10	0.0460812918	11.9306183	3.4	1.053
11	0.0449668690	11.8602155	3.1	1.043
12	0.0438524462	11.7898126	2.8	1.036
13	0.0427380234	11.7194097	2.5	1.031
14	0.0416236006	11.6490068	2.4	1.027
15	0.0405091778	11.5786039	2.3	1.024
16	0.0393947550	11.5082010	2.2	1.019
17	0.0382803322	11.4377981	2.0	1.016
18	0.0371659094	11.3673952	1.8	1.014
19	0.0360514866	11.2969923	1.7	1.011
20	0.0349370638	11.2265894	1.6	1.010
21	0.0338226410	11.1561865	1.5	1.009
22	0.0327082182	11.0857836	1.4	1.009
23	0.0315937954	11.0153807	1.3	1.009
24	0.0304793726	10.9449778	1.2	1.009
25	0.0293649498	10.8745749	1.1	1.009
26	0.0282505270	10.8041720	1.0	1.009
27	0.0271361042	10.7337691	0.9	1.009
28	0.0260216814	10.6633662	0.8	1.009
29	0.0249072586	10.5929633	0.7	1.009
30	0.0237928358	10.5225604	0.6	1.009
31	0.0226784130	10.4521575	0.5	1.009
32	0.0215639902	10.3817546	0.4	1.009
33	0.0204495674	10.3113517	0.3	1.009
34	0.0193351446	10.2409488	0.2	1.009
35	0.0182207218	10.1705459	0.1	1.009
36	0.0171062990	10.1001430	0.0	1.009
37	0.0159918762	10.0297401	0.0	1.009
38	0.0148774534	9.9593372	0.0	1.009
39	0.0137630306	9.8889343	0.0	1.009
40	0.0126486078	9.8185314	0.0	1.009
41	0.0115341850	9.7481285	0.0	1.009
42	0.0104197622	9.6777256	0.0	1.009
43	0.0093053394	9.6073227	0.0	1.009
44	0.0081909166	9.5369198	0.0	1.009
45	0.0070764938	9.4665169	0.0	1.009
46	0.0059620710	9.3961140	0.0	1.009
47	0.0048476482	9.3257111	0.0	1.009
48	0.0037332254	9.2553082	0.0	1.009
49	0.0026188026	9.1849053	0.0	1.009
50	0.0015043798	9.1145024	0.0	1.009
51	0.0003899570	9.0440995	0.0	1.009
52	0.0000000000	8.9736966	0.0	1.009
53	0.0000000000	8.9032937	0.0	1.009
54	0.0000000000	8.8328908	0.0	1.009
55	0.0000000000	8.7624879	0.0	1.009
56	0.0000000000	8.6920850	0.0	1.009
57	0.0000000000	8.6216821	0.0	1.009
58	0.0000000000	8.5512792	0.0	1.009
59	0.0000000000	8.4808763	0.0	1.009
60	0.0000000000	8.4104734	0.0	1.009

CONFIDENCE LEVEL=.8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
12	1 0.0662042	15.1689941	1 5.6	1 .983
	3 0.1395330	4.6333835	2 1.3	1 .389
	5 0.1969777	3.2128350	1 0.8	1 .234
	7 0.2392338	2.685479	1 7.4	1 .164
	9 0.2713100	2.411827	5.7	1 .135
	11 0.296416	2.243913	4.8	1 .100
	13 0.316594	2.130031	4.2	1 .083
	15 0.333168	2.047501	3.7	1 .071
	17 0.347027	1.984814	3.4	1 .062
100	0.358733	1.935503	3.2	1 .054
112	0.377701	1.862740	3.0	1 .044
114	0.392240	1.811500	2.8	1 .036
116	0.403776	1.773383	2.6	1 .031
118	0.413156	1.743878	2.4	1 .027
200	0.420935	1.720340	2.3	1 .024
250	0.435607	1.678058	2.2	1 .019
300	0.445905	1.649883	2.0	1 .014
350	0.453536	1.629738	1.9	1 .013
400	0.459418	1.614608	1.7	1 .011
450	0.464093	1.602821	1.6	1 .010
500	0.467897	1.593378	1.6	1 .009
550	0.471054	1.585641	1.6	1 .008
600	0.473715	1.579185	1.6	1 .008

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	1 0.066318	15.258927	1 8.4	1 .986
	3 0.147635	4.640356	2 1.8	1 .392
	5 0.207816	3.207827	1 1.0	1 .237
	7 0.252198	2.675442	1 7.5	1 .167
	9 0.285990	2.398713	5.8	1 .138
	11 0.312527	2.228604	4.9	1 .108
	13 0.333921	2.113028	4.2	1 .089
	15 0.351541	2.029128	3.8	1 .077
	17 0.366311	1.955299	3.5	1 .066
100	0.378883	1.913012	3.2	1 .056
112	0.399147	1.840660	3.0	1 .045
114	0.414787	1.788171	2.8	1 .034
116	0.427235	1.749039	2.6	1 .032
118	0.437385	1.718691	2.4	1 .028
200	0.445823	1.694439	2.3	1 .025
250	0.461791	1.650771	2.2	1 .019
300	0.473045	1.621586	2.0	1 .016
350	0.481410	1.600672	1.9	1 .013
400	0.487875	1.584934	1.8	1 .011
450	0.493023	1.572657	1.7	1 .010
500	0.497220	1.562807	1.6	1 .009
550	0.500707	1.554729	1.6	1 .008
600	0.503631	1.547982	1.6	1 .008

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
16 1	0.070007	15.326475	120.8	.589
2	0.153966	4.645013	22.2	.395
3	0.216235	3.203723	11.2	.240
4	0.262283	2.667490	7.6	.169
5	0.297438	2.388371	5.9	.130
6	0.325120	2.216340	4.9	.104
7	0.347491	2.099623	4.3	.087
8	0.365959	2.014628	3.8	.074
9	0.381477	1.949878	3.5	.064
10	0.394706	1.898801	3.2	.057
12	0.416090	1.823151	2.9	.046
14	0.432647	1.769630	2.6	.038
16	0.445862	1.729653	2.4	.032
18	0.456663	1.693597	2.2	.028
20	0.465662	1.673743	2.0	.025
25	0.482743	1.628892	1.9	.019
30	0.494825	1.598838	1.8	.016
35	0.503832	1.577255	1.7	.013
40	0.510809	1.560987	1.7	.012
45	0.516375	1.548277	1.7	.010
50	0.520920	1.538069	1.6	.009
55	0.524702	1.529688	1.6	.008
60	0.527838	1.522682	1.6	.008

CONFIDENCE LEVEL = .3
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
18 1	0.072801	15.379054	122.8	.591
2	0.153999	4.648500	22.6	.397
3	0.222958	3.200334	11.4	.241
4	0.270351	2.661032	7.7	.171
5	0.306613	2.380023	6.0	.131
6	0.335231	2.206802	5.0	.106
7	0.358406	2.088794	4.3	.088
8	0.377577	2.002904	3.9	.075
9	0.393713	1.937396	3.5	.065
10	0.407494	1.885665	3.2	.058
12	0.429820	1.808931	2.9	.046
14	0.447134	1.754541	2.6	.039
16	0.461023	1.713848	2.5	.033
18	0.472383	1.682188	2.3	.029
20	0.481866	1.656816	2.2	.025
25	0.499914	1.610944	2.0	.020
30	0.512733	1.580130	1.9	.016
35	0.522297	1.557958	1.8	.013
40	0.529730	1.541220	1.7	.012
45	0.535669	1.528126	1.7	.010
50	0.540527	1.517597	1.6	.009
55	0.544573	1.508945	1.6	.008
60	0.547997	1.501705	1.6	.008

CONFIDENCE LEVEL = .8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
20	1 0.075086	15 .421147	1 24.4	1 .992
2	0.163107	4 .651207	2 22.9	1 .396
3	0.228449	3 .197499	1 11.5	1 .243
4	0.276950	2 .655742	1 7.8	1 .173
5	0.314130	2 .373149	6 .1	1 .133
6	0.343527	2 .198783	5 .0	1 .107
7	0.367377	2 .079871	4 .4	1 .089
8	0.387138	1 .993233	3 .9	1 .076
9	0.403797	1 .927089	3 .6	1 .066
10	0.418046	1 .874807	3 .3	1 .058
12	0.441176	1 .797154	2 .9	1 .047
14	0.459177	1 .742023	2 .7	1 .039
16	0.473611	1 .700713	2 .5	1 .033
18	0.485457	1 .668531	2 .3	1 .029
20	0.495362	1 .642710	2 .2	1 .026
25	0.514260	1 .595942	2 .0	1 .020
30	0.527733	1 .564457	1 .9	1 .016
35	0.537779	1 .541762	1 .8	1 .013
40	0.545633	1 .524604	1 .7	1 .012
45	0.551909	1 .511164	1 .7	1 .010
50	0.557049	1 .500346	1 .6	1 .009
55	0.561336	1 .491448	1 .6	1 .008
60	0.564968	1 .483997	1 .5	1 .008

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25	1 0.079313	15 .496990	1 27.7	1 .995
3	0.170683	4 .655999	2 23.4	1 .402
3	0.238593	3 .192121	1 11.8	1 .246
4	0.289163	2 .645822	1 8.0	1 .176
5	0.328072	2 .360330	6 .2	1 .135
6	0.358947	2 .183324	5 .2	1 .109
7	0.384083	2 .063204	4 .5	1 .091
8	0.404979	1 .975146	4 .0	1 .078
9	0.422650	1 .907784	3 .6	1 .068
10	0.437809	1 .854438	3 .4	1 .060
12	0.462512	1 .775000	3 .0	1 .049
14	0.481833	1 .718410	2 .7	1 .041
16	0.497336	1 .675879	2 .5	1 .035
18	0.510217	1 .642653	2 .4	1 .030
20	0.520976	1 .615926	2 .2	1 .027
25	0.541610	1 .567337	2 .0	1 .020
30	0.556393	1 .534469	1 .9	1 .017
35	0.567532	1 .510635	1 .8	1 .014
40	0.576233	1 .492644	1 .7	1 .012
45	0.583224	1 .478473	1 .7	1 .010
50	0.588967	1 .467039	1 .6	1 .009
55	0.593771	1 .457615	1 .6	1 .008
60	0.597849	1 .449709	1 .5	1 .008

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.0822213	1.547613	1.30.1	1.997
1	0.175871	4.658903	1.23.8	1.404
2	0.245544	3.188340	1.20.0	1.248
3	0.297552	2.638948	1.18.2	1.178
4	0.337672	2.351462	1.16.3	1.137
5	0.369591	2.173465	1.15.2	1.111
6	0.395642	2.051646	1.14.5	1.093
7	0.417351	1.962581	1.14.1	1.080
8	0.435752	1.894350	1.13.7	1.070
9	0.451572	1.840238	1.13.4	1.062
10	0.477429	1.759500	1.13.0	1.050
11	0.497731	1.701837	1.12.7	1.042
12	0.514136	1.658397	1.12.5	1.036
13	0.527694	1.624385	1.12.4	1.031
14	0.539104	1.596972	1.12.3	1.027
15	0.5561078	1.546984	1.12.1	1.021
16	0.576907	1.513037	1.11.9	1.017
17	0.588883	1.488391	1.11.8	1.014
18	0.598274	1.469643	1.11.7	1.012
19	0.605843	1.454383	1.11.7	1.011
20	0.612078	1.442948	1.11.6	1.009
25	0.617306	1.433093	1.11.6	1.008
30	0.621753	1.424813	1.11.5	1.008

CONFIDENCE LEVEL=.8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.084325	1.583805	1.31.8	1.998
1	0.179641	4.660990	1.24.1	1.406
2	0.250604	3.185545	1.22.2	1.250
3	0.303669	2.633911	1.20.0	1.179
4	0.344683	2.344967	1.18.2	1.136
5	0.377379	2.165872	1.16.3	1.113
6	0.404115	2.043164	1.15.2	1.094
7	0.426436	1.953347	1.14.5	1.084
8	0.445339	1.884462	1.14.1	1.071
9	0.461711	1.829773	1.13.7	1.063
10	0.488432	1.748046	1.13.4	1.051
11	0.509508	1.689559	1.13.0	1.043
12	0.526570	1.645413	1.12.7	1.036
13	0.540706	1.610790	1.12.5	1.032
14	0.552629	1.582836	1.12.4	1.028
15	0.575670	1.531737	1.12.3	1.022
16	0.592342	1.496921	1.12.1	1.017
17	0.605002	1.471574	1.11.9	1.015
18	0.614961	1.452246	1.11.8	1.013
19	0.623009	1.436957	1.11.7	1.011
20	0.629635	1.424345	1.11.7	1.010
25	0.635239	1.414429	1.11.6	1.009
30	0.639999	1.405833	1.11.6	1.008

CONFIDENCE LEVEL=.8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.085930	15.610968	133.2	1.999
1	0.182506	14.662324	124.4	1.407
2	0.254452	13.183398	12.3	1.251
3	0.308336	12.630063	8.3	1.180
4	0.350029	12.340066	6.5	1.140
5	0.383325	12.160069	5.4	1.114
6	0.410593	12.036676	4.6	1.095
7	0.433391	11.946275	4.2	1.082
8	0.452777	11.876882	3.8	1.072
9	0.469453	11.821740	3.5	1.064
10	0.483332	11.773923	3.1	1.052
11	0.496939	11.730095	2.8	1.043
12	0.511833	11.680095	2.6	1.037
13	0.526177	11.635386	2.4	1.032
14	0.540078	11.600271	2.3	1.029
15	0.553631	11.571881	2.1	1.022
16	0.567029	11.549876	1.9	1.018
17	0.580439	11.528414	1.8	1.015
18	0.593806	11.439601	1.7	1.013
19	0.606433	11.423940	1.7	1.011
20	0.617625	11.410233	1.6	1.010
21	0.628061	11.399706	1.6	1.009
22	0.636510	11.390841	1.6	1.008
23	0.644333			
24	0.654426			

CONFIDENCE LEVEL = .9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.087192	15.623210	134.3	2.0000
1	0.184756	14.663693	124.6	1.408
2	0.257477	13.181697	12.4	1.253
3	0.311939	12.627029	8.4	1.181
4	0.354240	12.336095	6.5	1.141
5	0.388014	12.155491	5.4	1.115
6	0.415707	12.031552	4.7	1.096
7	0.438887	11.940686	4.2	1.083
8	0.458620	11.870886	3.8	1.073
9	0.473655	11.815380	3.5	1.064
10	0.487339	11.763247	3.1	1.052
11	0.500365	11.717575	2.8	1.044
12	0.512807	11.677407	2.6	1.038
13	0.524808	11.642887	2.4	1.033
14	0.536313	11.613138	2.3	1.029
15	0.547490	11.588080	2.1	1.022
16	0.558159	11.563180	1.9	1.018
17	0.568407	11.547428	1.8	1.015
18	0.578233	11.531824	1.8	1.013
19	0.587643	11.516583	1.7	1.011
20	0.596633	11.501779	1.6	1.010
21	0.605473	11.487779	1.6	1.009
22	0.614079	11.474248	1.6	1.008
23	0.622779	11.461158	1.6	1.007
24	0.631363	11.448571	1.6	1.006
25	0.639833	11.436477	1.6	1.005
26	0.648143	11.424867	1.6	1.004

CONFIDENCE LEVEL = .8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

50 DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.088210	15.649025	135.2	2.001
2	0.186570	4.664627	24.7	1.408
3	0.259916	3.180318	12.5	1.253
4	0.314947	2.624575	8.5	1.182
5	0.357642	2.332932	6.5	1.141
6	0.391805	2.151787	5.4	1.115
7	0.419846	2.027404	4.7	1.097
8	0.443340	1.936159	4.2	1.084
9	0.463359	1.866024	3.8	1.073
10	0.480656	1.810220	3.6	1.065
12	0.509127	1.726568	3.1	1.053
14	0.531682	1.666455	2.8	1.044
16	0.550059	1.620905	2.6	1.038
18	0.565363	1.585046	2.5	1.033
20	0.578334	1.555995	2.3	1.030
25	0.603587	1.502601	2.1	1.023
30	0.622035	1.465958	2.0	1.015
35	0.636161	1.433911	1.8	1.013
40	0.647354	1.418527	1.8	1.011
45	0.656457	1.402206	1.7	1.010
50	0.664016	1.388928	1.6	1.009
55	0.670399	1.377903	1.6	1.008
60	0.675864	1.368593	1.6	1.008

CONFIDENCE LEVEL=.8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

55 DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.089048	15.662873	135.9	2.001
2	0.188063	4.665379	24.8	1.409
3	0.261925	3.179177	12.5	1.254
4	0.317385	2.622550	8.5	1.183
5	0.360448	2.330321	6.6	1.142
6	0.394933	2.148729	5.5	1.116
7	0.423265	2.023978	4.7	1.098
8	0.447021	1.932416	4.2	1.084
9	0.467278	1.862003	3.9	1.074
10	0.484795	1.805949	3.6	1.066
12	0.513650	1.721862	3.2	1.053
14	0.536558	1.661378	2.9	1.045
16	0.555239	1.615503	2.6	1.039
18	0.570817	1.579353	2.5	1.034
20	0.584034	1.550049	2.4	1.030
25	0.609812	1.496110	2.1	1.023
30	0.628691	1.459027	2.0	1.019
35	0.643176	1.431843	1.9	1.016
40	0.654675	1.410917	1.8	1.013
45	0.664043	1.394327	1.7	1.012
50	0.671834	1.380816	1.7	1.010
55	0.678420	1.369583	1.6	1.009
60	0.684057	1.360091	1.6	1.008

CONFIDENCE LEVEL=.8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.089751	15.674417	136.6	2.002
1	0.189314	4.666001	24.9	1.410
2	0.263609	3.178217	12.6	1.254
3	0.319429	2.620850	8.5	1.183
4	0.362802	2.328131	6.6	1.143
5	0.397563	2.146162	5.5	1.116
6	0.426137	2.021100	4.8	1.098
7	0.450114	1.929270	4.3	1.085
8	0.470575	1.858621	3.9	1.074
9	0.488279	1.802355	3.6	1.066
10	0.517479	1.717898	3.2	1.054
11	0.540671	1.657097	2.9	1.045
12	0.559613	1.610945	2.7	1.039
14	0.575425	1.574553	2.5	1.034
16	0.588855	1.545022	2.4	1.030
18	0.615090	1.490611	2.1	1.023
20	0.634343	1.453143	2.0	1.019
25	0.649144	1.425607	1.9	1.016
30	0.660912	1.404437	1.8	1.014
35	0.670515	1.387610	1.7	1.012
40	0.678510	1.373891	1.7	1.010
50	0.685279	1.362475	1.6	1.009
55	0.689108	1.352818	1.6	1.008
60				

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	0.863458	*	2.000
2	0.0	0.526316	*	1.449
3	0.0	0.38319	*	1.323
4	0.0	0.344771	*	1.271
5	0.0	0.306042	*	1.243
6	0.0	0.277595	*	1.226
7	0.0	0.258942	*	1.214
8	0.0	0.245791	*	1.205
9	0.0	0.236030	*	1.199
10	0.0	0.228501	*	1.194
12	0.0	0.217654	*	1.187
14	0.0	0.210221	*	1.181
16	0.0	0.204811	*	1.178
18	0.0	0.200697	*	1.175
20	0.0	0.197465	*	1.173
25	0.0	0.191774	*	1.169
30	0.0	0.188069	*	1.166
35	0.0	0.185465	*	1.164
40	0.0	0.183535	*	1.163
45	0.0	0.182047	*	1.162
50	0.0	0.180865	*	1.161
55	0.0	0.179904	*	1.160
60	0.0	0.179106	*	1.160

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.000049	0.549454	2022.6	1.976
3	0.000830	0.088744	112.7	1.383
4	0.002406	0.576115	40.6	1.238
5	0.003991	0.454266	24.1	1.176
6	0.005403	0.392023	17.6	1.142
7	0.006605	0.361133	14.2	1.122
8	0.007620	0.341141	12.2	1.108
9	0.008478	0.327152	10.9	1.098
10	0.009209	0.316837	9.9	1.090
12	0.009836	0.308924	9.2	1.084
14	0.010833	0.297392	8.3	1.076
16	0.011642	0.289875	7.6	1.070
18	0.012258	0.284234	7.2	1.066
20	0.012776	0.280048	6.9	1.063
25	0.013197	0.276729	6.6	1.060
30	0.013937	0.270906	6.2	1.056
35	0.014538	0.267130	5.9	1.053
40	0.014944	0.264482	5.7	1.051
45	0.015255	0.262524	5.6	1.050
50	0.015501	0.261016	5.5	1.049
55	0.015701	0.259820	5.4	1.048
60	0.015866	0.258848	5.4	1.047
	0.016005	0.258042	5.3	1.046

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.002065	0.815880	4.85.5	1.971
4	0.011094	0.375805	4.6.7	1.371
5	0.020630	0.613856	1.5.6	1.221
6	0.028510	0.420880	1.2.4	1.156
7	0.034765	0.354302	1.0.3	1.122
8	0.039747	0.326983	0.7.6	1.100
9	0.043770	0.314777	0.6.6	1.086
10	0.047072	0.3166376	0.5.9	1.075
11	0.049823	0.3166376	0.5.4	1.068
12	0.052146	0.3166376	0.5.0	1.062
14	0.055846	0.3166376	0.4.5	1.053
16	0.059658	0.3166376	0.4.2	1.048
18	0.063664	0.3166376	0.3.9	1.043
20	0.067814	0.3166376	0.3.7	1.040
25	0.077006	0.3166376	0.3.6	1.038
30	0.086690	0.3166376	0.3.3	1.034
35	0.096681	0.3166376	0.3.2	1.031
40	0.107006	0.3166376	0.3.1	1.029
45	0.117112	0.3166376	0.3.0	1.028
50	0.127193	0.3166376	0.3.0	1.027
55	0.137260	0.3166376	0.3.0	1.026
60	0.147315	0.3166376	0.3.0	1.025
65	0.157362	0.3166376	0.3.0	1.024

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.007034	0.153169	3.51.8	1.974
5	0.026316	0.500000	3.9.0	1.372
6	0.043800	0.359475	3.6.8	1.220
7	0.057526	0.259658	3.0.7	1.154
8	0.068183	0.173321	2.8.0	1.117
9	0.076580	0.124458	2.6.5	1.095
10	0.083321	0.091461	2.5.6	1.080
11	0.088835	0.066075	2.5.0	1.069
12	0.093418	0.047165	2.4.6	1.061
14	0.097284	0.035906	2.4.3	1.055
16	0.103437	0.027347	2.3.8	1.047
18	0.108109	0.021461	2.3.5	1.041
20	0.111774	0.018267	2.3.3	1.036
25	0.114724	0.014017	2.3.1	1.033
30	0.117149	0.010323	2.3.0	1.031
35	0.121664	0.008302	2.3.0	1.026
40	0.124785	0.006089	2.3.0	1.024
45	0.127070	0.004447	2.3.0	1.022
50	0.128816	0.003275	2.3.0	1.020
55	0.130193	0.002141	2.3.0	1.019
60	0.132225	0.001331	2.3.0	1.018
65	0.132997	0.000813	2.3.0	1.017

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.012874	57.601703	319.2	1.577
2	0.040827	9.560859	37.3	1.376
3	0.064679	5.565977	16.2	1.222
4	0.083093	4.304244	10.3	1.154
5	0.097320	3.705178	7.7	1.117
6	0.108517	3.358730	6.2	1.094
7	0.117512	3.133781	5.4	1.079
8	0.124877	3.097620	4.8	1.068
9	0.131009	2.859771	4.3	1.059
10	0.136187	2.770256	4.0	1.053
12	0.144445	2.641653	3.5	1.044
14	0.150731	2.553824	3.2	1.038
16	0.155671	2.489969	3.0	1.033
18	0.159655	2.441468	2.9	1.030
20	0.162935	2.403375	2.7	1.027
25	0.169033	2.336337	2.5	1.023
30	0.173293	2.292697	2.4	1.020
35	0.176403	2.262023	2.3	1.018
40	0.178782	2.239282	2.2	1.017
45	0.180660	2.221748	2.2	1.016
50	0.182180	2.207816	2.1	1.015
55	0.183436	2.196480	2.1	1.014
60	0.184491	2.187075	2.1	1.014

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.018430	58.582101	310.8	1.980
2	0.053300	9.594783	37.3	1.380
3	0.082139	5.538906	16.2	1.220
4	0.104359	4.258822	10.3	1.156
5	0.121484	3.650821	7.6	1.113
6	0.134984	3.298941	6.2	1.095
7	0.145854	3.070266	5.4	1.079
8	0.154774	2.909940	4.7	1.068
9	0.162215	2.791367	4.3	1.059
10	0.168513	2.700134	3.9	1.052
12	0.178533	2.568965	3.5	1.043
14	0.186272	2.479195	3.2	1.037
16	0.192331	2.413887	3.0	1.032
18	0.197217	2.364232	2.9	1.029
20	0.201205	2.325202	2.8	1.026
25	0.208818	2.256435	2.6	1.021
30	0.214066	2.211610	2.5	1.018
35	0.217924	2.180070	2.4	1.016
40	0.220880	2.156669	2.3	1.015
45	0.222521	2.138614	2.2	1.014
50	0.223510	2.124261	2.2	1.013
55	0.224674	2.112577	2.1	1.012
60	0.225799	2.102879	2.1	1.012

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0233363	59.288550	310.4	1.983
1	0.0637622	9.615634	37.5	1.383
2	0.0966966	5.515585	16.3	1.228
3	0.1219200	4.222048	10.3	1.159
4	0.1414344	3.607378	7.7	1.120
5	0.1568544	3.251371	6.2	1.096
6	0.1693022	3.019816	5.3	1.080
7	0.1795422	2.857332	4.6	1.068
8	0.1881055	2.737063	4.2	1.059
9	0.1953367	2.644453	3.9	1.052
10	0.2070111	2.511164	3.7	1.043
11	0.2159329	2.419826	3.5	1.036
12	0.222976	2.353304	3.4	1.031
13	0.2286333	2.302680	3.3	1.028
14	0.2333999	2.262853	3.2	1.025
15	0.2374224	2.192605	3.1	1.020
16	0.2408405	2.144675	3.0	1.017
17	0.2437946	2.114456	2.9	1.015
18	0.2463430	2.090474	2.8	1.014
19	0.2485913	2.071059	2.7	1.013
20	0.2505425	2.057232	2.6	1.012
25	0.263276	2.045233	2.5	1.011
30	0.264833	2.035281	2.4	1.011

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.0276444	59.821505	313.2	1.585
1	0.0725219	9.629424	38.1	1.386
2	0.1087699	5.495895	16.6	1.230
3	0.1365211	4.192041	10.4	1.161
4	0.1580322	3.572174	7.7	1.122
5	0.175076	3.212899	6.2	1.097
6	0.188868	3.079032	5.3	1.081
7	0.200243	2.914792	4.7	1.069
8	0.209775	2.833128	4.2	1.060
9	0.217876	2.759975	3.9	1.053
10	0.2250899	2.664306	3.7	1.043
11	0.2308904	2.571636	3.5	1.036
12	0.2348830	2.504072	3.4	1.031
13	0.2375234	2.452607	3.3	1.027
14	0.2390589	2.412087	3.2	1.025
15	0.2406000	2.340536	3.1	1.020
16	0.2422598	2.293770	3.0	1.017
17	0.2437765	2.260797	2.9	1.015
18	0.2451737	2.236293	2.8	1.014
19	0.2464834	2.217363	2.7	1.013
20	0.2477441	2.202298	2.6	1.012
25	0.254558	2.195002	2.5	1.011
30	0.2596340	2.197982	2.4	1.010

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.031342	0.237814	317.3	1.987
12	0.079923	9.639070	38.7	1.388
15	0.118913	5.479274	16.8	1.232
18	0.148788	4.167240	10.5	1.162
21	0.171995	3.543196	7.8	1.123
24	0.190426	3.181255	6.3	1.099
27	0.205379	2.945478	5.3	1.082
30	0.217737	2.779773	4.7	1.070
33	0.228116	2.656934	4.2	1.060
36	0.236953	2.562209	3.9	1.053
39	0.243119	2.485614	3.6	1.043
42	0.247621	2.425614	3.4	1.036
45	0.250888	2.381788	3.1	1.031
48	0.253796	2.353312	2.9	1.027
51	0.256384	2.311106	2.7	1.024
54	0.258922	2.269972	2.5	1.019
57	0.261363	2.233157	2.3	1.016
60	0.263730	2.204968	2.1	1.014
63	0.266043	2.160881	2.0	1.013
66	0.268302	2.119101	1.9	1.012
69	0.270516	2.079791	1.8	1.011
72	0.272681	2.043415	1.8	1.010
75	0.274803	2.011101	1.8	1.009
78	0.276881	1.983881	1.8	1.009
81	0.278915	1.961467	1.8	1.009
84	0.280905	1.943467	1.8	1.009
87	0.282851	1.933467	1.8	1.009
90	0.284753	1.933467	1.8	1.009

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.034541	0.571979	321.8	1.988
13	0.086217	6.461122	39.3	1.391
16	0.127526	4.465136	17.1	1.234
19	0.159209	3.464669	10.7	1.164
22	0.183872	3.189983	7.9	1.125
25	0.203504	2.954820	6.3	1.100
28	0.219466	2.817433	5.4	1.082
31	0.232687	2.750481	4.7	1.070
34	0.243381	2.666634	4.2	1.061
37	0.253329	2.531070	3.9	1.054
40	0.262862	2.393145	3.6	1.043
43	0.270466	2.299802	3.4	1.036
46	0.276989	2.229017	3.1	1.031
49	0.282975	2.175151	2.9	1.027
52	0.288394	2.134465	2.7	1.024
55	0.293159	2.060698	2.5	1.019
58	0.297446	2.012360	2.3	1.016
61	0.301077	1.978211	2.1	1.014
64	0.304590	1.952792	2.0	1.012
67	0.307943	1.933131	1.9	1.011
70	0.311256	1.917467	1.8	1.010
73	0.314516	1.904692	1.8	1.010
76	0.317733	1.894074	1.8	1.009
79	0.320905	1.894074	1.8	1.009
82	0.324031	1.894074	1.8	1.009
85	0.327111	1.894074	1.8	1.009
88	0.330153	1.894074	1.8	1.009
91	0.333157	1.894074	1.8	1.009
94	0.336123	1.894074	1.8	1.009
97	0.339051	1.894074	1.8	1.009
100	0.341941	1.894074	1.8	1.009

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.039756	0.075103	330.7	1.59C
1	0.096312	0.655620	40.4	1.394
2	0.141317	0.442621	17.5	1.238
3	0.175912	0.313745	10.9	1.167
4	0.202944	0.249090	8.0	1.127
5	0.224549	0.213238	6.5	1.102
6	0.242183	0.187327	5.5	1.085
7	0.256842	0.170430	4.8	1.073
8	0.269219	0.157881	4.3	1.066
9	0.279808	0.148136	3.9	1.065
10	0.296980	0.134172	3.4	1.064
11	0.310312	0.124516	3.1	1.063
12	0.320967	0.117450	2.8	1.063
13	0.329680	0.112050	2.6	1.062
14	0.336940	0.107786	2.5	1.062
15	0.350711	0.100235	2.3	1.061
16	0.360439	0.095259	2.1	1.061
17	0.367679	0.091747	2.0	1.061
18	0.373280	0.089124	1.9	1.061
19	0.377741	0.087095	1.8	1.061
20	0.381380	0.085476	1.8	1.061
25	0.384404	0.084155	1.7	1.060
30	0.386957	0.083056	1.7	1.060

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.043798	0.435883	338.8	1.592
1	0.104021	0.661639	41.4	1.395
2	0.151836	0.425334	17.9	1.240
3	0.188674	0.308921	11.2	1.169
4	0.217551	0.245235	9.2	1.129
5	0.240708	0.208307	8.0	1.104
6	0.259671	0.184012	6.6	1.086
7	0.275482	0.166939	5.6	1.074
8	0.288869	0.154280	4.9	1.064
9	0.300352	0.144475	4.4	1.056
10	0.319039	0.130282	4.0	1.045
11	0.333260	0.120488	3.5	1.038
12	0.343292	0.113307	3.1	1.032
13	0.354887	0.107913	2.7	1.028
14	0.362884	0.103469	2.5	1.025
15	0.373131	0.095753	2.3	1.019
16	0.388951	0.090673	2.1	1.016
17	0.397033	0.087071	2.0	1.013
18	0.403307	0.084393	1.9	1.012
19	0.408307	0.082297	1.8	1.010
20	0.412396	0.080633	1.8	1.009
25	0.415801	0.079273	1.7	1.009
30	0.418679	0.078141	1.7	1.008

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.047006	0.707260	345.8	1.993
1	0.110034	0.665752	42.3	1.993
3	0.160107	0.412185	18.3	1.993
4	0.198724	0.070170	11.4	1.993
5	0.229078	0.430269	8.3	1.993
6	0.253348	0.057865	6.7	1.993
7	0.273531	0.814357	5.6	1.993
8	0.290286	0.642353	4.9	1.993
9	0.304506	0.514719	4.4	1.993
10	0.316730	0.415777	4.0	1.993
12	0.336683	0.272384	3.5	1.993
14	0.352286	0.173360	3.1	1.993
16	0.364483	0.100306	2.9	1.993
18	0.375183	0.044759	2.7	1.993
20	0.383834	0.000634	2.5	1.993
25	0.400363	0.922130	2.3	1.993
30	0.412241	0.870341	2.1	1.993
35	0.420966	0.833359	2.0	1.993
40	0.427829	0.806062	1.9	1.993
45	0.433321	0.784716	1.8	1.993
50	0.437816	0.767660	1.8	1.993
55	0.441353	0.753714	1.7	1.993
60	0.444736	0.742057	1.7	1.993

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.049608	0.918811	351.9	1.993
1	0.114970	0.668722	43.0	1.993
3	0.166774	0.401488	18.6	1.993
4	0.206836	0.054980	11.6	1.993
5	0.233399	0.412318	8.3	1.993
6	0.263394	0.038334	6.8	1.993
7	0.284781	0.793747	5.7	1.993
8	0.306232	0.620915	5.0	1.993
9	0.327724	0.492208	4.5	1.993
10	0.333008	0.392518	4.1	1.993
12	0.355115	0.247891	3.5	1.993
14	0.367316	0.147779	3.1	1.993
16	0.380928	0.074208	2.9	1.993
18	0.391904	0.017770	2.7	1.993
20	0.401115	0.973053	2.5	1.993
25	0.418768	0.893375	2.3	1.993
30	0.431394	0.840711	2.1	1.993
35	0.440883	0.803249	2.0	1.993
40	0.448280	0.775206	1.9	1.993
45	0.454210	0.753417	1.8	1.993
50	0.459072	0.735988	1.8	1.993
55	0.463131	0.721727	1.7	1.993
60	0.466572	0.709838	1.7	1.993

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.051758	0.088363	357.3	1.595
1	0.118588	0.670957	43.6	1.404
2	0.172258	0.392735	18.8	1.245
3	0.213518	0.404258	11.7	1.174
4	0.246088	0.398214	8.6	1.134
5	0.272336	0.022745	6.9	1.109
6	0.294090	0.776896	5.8	1.090
7	0.312299	0.603157	5.1	1.077
8	0.327809	0.473759	4.5	1.067
9	0.341192	0.373437	4.1	1.059
10	0.363139	0.227758	3.6	1.048
11	0.380411	0.126795	3.2	1.040
12	0.394378	0.052517	2.9	1.034
13	0.405918	0.005477	2.7	1.029
14	0.415632	0.000242	2.6	1.026
15	0.434270	0.869538	2.5	1.020
16	0.447652	0.816085	2.4	1.016
17	0.457737	0.778014	2.3	1.014
18	0.465616	0.749482	2.2	1.012
19	0.471944	0.727287	2.1	1.010
20	0.477141	0.709520	2.0	1.009
25	0.481485	0.694970	1.9	1.008
30	0.485172	0.682834	1.7	1.008

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.055782	0.394271	367.9	1.597
1	0.126469	0.674679	44.8	1.404
2	0.182474	0.376546	19.3	1.248
3	0.225989	0.401574	12.0	1.177
4	0.260471	0.371645	8.8	1.136
5	0.288433	0.003582	7.0	1.100
6	0.311579	0.745721	5.9	1.092
7	0.331077	0.570369	5.2	1.079
8	0.347746	0.433952	4.6	1.069
9	0.362175	0.337974	4.2	1.061
10	0.385942	0.190234	3.6	1.049
11	0.404750	0.087587	3.2	1.041
12	0.420035	0.011892	2.9	1.035
13	0.432720	0.003640	2.8	1.030
14	0.443479	0.907350	2.6	1.027
15	0.464129	0.824507	2.5	1.021
16	0.479092	0.769442	2.4	1.017
17	0.490434	0.730087	2.3	1.014
18	0.499339	0.700514	2.2	1.012
19	0.506520	0.677455	2.1	1.010
20	0.512433	0.658958	2.0	1.009
25	0.517400	0.643785	1.9	1.008
30	0.521623	0.631110	1.7	1.008

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.058576	0.598734	375.7	1.998
32	0.1331637	0.676953	45.7	1.406
34	0.189539	0.7365449	119.7	1.250
36	0.234631	0.8004127	122.3	1.178
38	0.2704622	0.8533467	120.0	1.088
40	0.2996011	0.8973596	7.2	1.122
42	0.3227900	0.9243117	6.0	1.094
44	0.3442211	0.947787	5.3	1.000
46	0.3617333	0.9615929	4.7	1.070
48	0.3769288	0.9663490	4.3	1.062
50	0.4020422	0.964239	3.7	1.050
52	0.4220000	0.960340	3.3	1.042
54	0.4382800	0.953581	3.0	1.036
56	0.4518339	0.924408	2.8	1.031
58	0.4633321	0.877309	2.6	1.028
60	0.4856119	0.752314	2.4	1.021
62	0.5018333	0.736467	2.3	1.017
64	0.5141833	0.696087	2.1	1.014
66	0.5239188	0.665670	2.0	1.012
68	0.5317988	0.641906	1.9	1.011
70	0.5383100	0.622309	1.8	1.009
72	0.5437335	0.607120	1.7	1.008
74	0.548434	0.593994	1.7	1.008

CONFIDENCE LEVEL = .9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.060626	0.745044	381.7	1.999
37	0.135413	0.678481	46.4	1.407
39	0.1947122	0.7357373	120.0	1.251
41	0.240969	0.792783	122.4	1.179
43	0.277804	0.840232	120.1	1.089
45	0.307824	0.859048	7.3	1.123
47	0.332797	0.708714	6.1	1.095
49	0.353934	0.531303	5.3	1.001
51	0.372086	0.398681	4.8	1.071
53	0.387867	0.295557	4.4	1.063
55	0.414019	0.145139	3.8	1.051
57	0.434869	0.040292	3.3	1.043
59	0.451930	0.962703	3.1	1.037
61	0.466177	0.902805	2.9	1.032
63	0.478272	0.835067	2.7	1.023
65	0.501332	0.769249	2.5	1.020
67	0.519082	0.711863	2.3	1.017
69	0.532261	0.670641	2.1	1.015
71	0.542683	0.639526	1.9	1.012
73	0.551147	0.615173	1.8	1.011
75	0.558153	0.595372	1.7	1.009
77	0.564067	0.579446	1.7	1.008
79	0.569116	0.565937	1.7	1.008

CONFIDENCE LEVEL = .9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.062194	0.854924	386.4	1.589
41	0.138304	0.679575	46.9	1.408
42	0.198663	0.551240	20.2	1.252
43	0.245816	0.484172	12.6	1.181
44	0.283426	0.430214	9.2	1.140
45	0.314129	0.397986	7.4	1.114
46	0.339714	0.369683	6.2	1.096
47	0.361404	0.351873	5.4	1.082
48	0.380060	0.338552	4.8	1.072
49	0.396304	0.328197	4.4	1.064
50	0.423279	0.305555	3.8	1.052
51	0.444843	0.284916	3.4	1.043
52	0.462530	0.266622	3.1	1.037
53	0.477335	0.288617	2.8	1.033
54	0.489930	0.237921	2.7	1.022
55	0.514562	0.251019	2.4	1.022
56	0.532634	0.293777	2.2	1.015
57	0.546535	0.650845	2.0	1.013
58	0.557510	0.619143	1.9	1.011
59	0.566467	0.594289	1.8	1.010
60	0.573906	0.574258	1.7	1.009
61	0.580187	0.557756	1.7	1.009
62	0.585564	0.543918	1.7	1.008

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.063431	0.940475	390.2	2.000
46	0.140578	0.680396	47.4	1.409
47	0.201778	0.534642	20.4	1.253
48	0.249641	0.477413	12.7	1.182
49	0.287868	0.432330	9.3	1.144
50	0.319113	0.395929	7.4	1.115
51	0.345133	0.368749	6.3	1.097
52	0.367328	0.350884	5.5	1.083
53	0.386331	0.337514	4.9	1.073
54	0.403009	0.327107	4.4	1.065
55	0.430653	0.311901	3.8	1.053
56	0.452800	0.301274	3.4	1.044
57	0.471003	0.293394	3.1	1.038
58	0.486258	0.287298	2.8	1.033
59	0.499278	0.282429	2.7	1.029
60	0.524789	0.273648	2.4	1.023
61	0.543572	0.267731	2.2	1.018
62	0.558032	0.263498	2.1	1.015
63	0.569534	0.260278	1.9	1.011
64	0.578917	0.257749	1.8	1.011
65	0.586725	0.255709	1.8	1.010
66	0.593331	0.254026	1.7	1.009
67	0.598994	0.252614	1.7	1.008

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
50				
1	0.064433	0.008972	393.3	2.0000
2	0.142416	0.081035	47.7	1.4009
3	0.204297	0.242537	20.6	1.2533
4	0.252737	0.371968	12.8	1.1822
5	0.291467	0.515975	9.4	1.1422
6	0.323163	0.622777	7.5	1.1116
7	0.349640	0.709950	6.3	1.097
8	0.372140	0.780855	5.5	1.084
9	0.391538	0.836763	4.9	1.073
10	0.408465	0.879339	4.5	1.065
11	0.423664	0.910664	4.2	1.059
12	0.437929	0.93374	4.0	1.054
13	0.451333	0.949617	3.8	1.050
14	0.463934	0.962247	3.7	1.047
15	0.475793	0.972496	3.6	1.045
16	0.486943	0.980622	3.5	1.043
17	0.497411	0.986989	3.4	1.041
18	0.507233	0.991999	3.3	1.040
19	0.516444	0.995899	3.2	1.039
20	0.525077	0.998899	3.1	1.038
21	0.533163	1.001035	3.0	1.037
22	0.540737	1.002337	2.9	1.036
23	0.547833	1.00374	2.8	1.035
24	0.554483	1.005247	2.7	1.034
25	0.560727	1.006817	2.6	1.033
26	0.566593	1.008433	2.5	1.032
27	0.572011	1.010099	2.4	1.031
28	0.577011	1.011817	2.3	1.030
29	0.581611	1.013583	2.2	1.029
30	0.585844	1.015399	2.1	1.028
31	0.589733	1.017263	2.0	1.027
32	0.593311	1.019177	1.9	1.026
33	0.596511	1.021143	1.8	1.025
34	0.599363	1.023163	1.7	1.024
35	0.601893	1.025237	1.6	1.023
36	0.604133	1.027363	1.5	1.022
37	0.606111	1.029537	1.4	1.021
38	0.607853	1.031763	1.3	1.020
39	0.609377	1.034037	1.2	1.019
40	0.610711	1.036363	1.1	1.018
41	0.611877	1.038737	1.0	1.017
42	0.612883	1.041163	0.9	1.016
43	0.613743	1.043637	0.8	1.015
44	0.614463	1.046163	0.7	1.014
45	0.615043	1.048737	0.6	1.013
46	0.615483	1.051363	0.5	1.012
47	0.615783	1.054037	0.4	1.011
48	0.615943	1.056763	0.3	1.010
49	0.615963	1.059537	0.2	1.009
50	0.615843	1.062363	0.1	1.008

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
55				
1	0.065239	0.065239	393.3	2.0001
2	0.143393	0.081035	48.0	1.410
3	0.206376	0.242537	20.7	1.254
4	0.255329	0.371968	12.9	1.183
5	0.294441	0.515975	9.5	1.143
6	0.326509	0.622777	7.6	1.112
7	0.353321	0.709950	6.4	1.098
8	0.376127	0.780855	5.6	1.085
9	0.395806	0.836763	5.0	1.074
10	0.412993	0.879339	4.6	1.066
11	0.428193	0.910664	4.3	1.060
12	0.441953	0.93374	4.1	1.055
13	0.454705	0.949617	3.9	1.051
14	0.466937	0.962247	3.7	1.047
15	0.478133	0.972496	3.6	1.044
16	0.488734	0.980622	3.5	1.042
17	0.498333	0.986989	3.4	1.040
18	0.507411	0.991999	3.3	1.039
19	0.516001	0.995899	3.2	1.038
20	0.524133	0.998899	3.1	1.037
21	0.531844	1.001035	3.0	1.036
22	0.539163	1.002337	2.9	1.035
23	0.546033	1.00374	2.8	1.034
24	0.552483	1.005247	2.7	1.033
25	0.558543	1.006817	2.6	1.032
26	0.564237	1.008433	2.5	1.031
27	0.569583	1.010099	2.4	1.030
28	0.574601	1.011817	2.3	1.029
29	0.579311	1.013583	2.2	1.028
30	0.583733	1.015399	2.1	1.027
31	0.587883	1.017263	2.0	1.026
32	0.591777	1.019177	1.9	1.025
33	0.595433	1.021143	1.8	1.024
34	0.598877	1.023163	1.7	1.023
35	0.602133	1.025237	1.6	1.022
36	0.605233	1.027363	1.5	1.021
37	0.608111	1.029537	1.4	1.020
38	0.610793	1.031763	1.3	1.019
39	0.613311	1.034037	1.2	1.018
40	0.615683	1.036363	1.1	1.017
41	0.617911	1.038737	1.0	1.016
42	0.619911	1.041163	0.9	1.015
43	0.621683	1.043637	0.8	1.014
44	0.623233	1.046163	0.7	1.013
45	0.624583	1.048737	0.6	1.012
46	0.625743	1.051363	0.5	1.011
47	0.626723	1.054037	0.4	1.010
48	0.627543	1.056763	0.3	1.009
49	0.628211	1.059537	0.2	1.008
50	0.628743	1.062363	0.1	1.007

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
60	1 0.065954	63. 111814	398.2 2.001	
1	0.145205	9. 681963	48.2 1.410	
2	0.208121	3. 336663	20.8 1.234	
3	0.257442	3. 963735	13.0 1.183	
4	0.296941	3. 306362	9.5 1.143	
5	0.329323	2. 921659	7.6 1.117	
6	0.356418	2. 668522	6.4 1.098	
7	0.379434	2. 483736	5.6 1.085	
8	0.399402	2. 354036	5.0 1.074	
9	0.416810	2. 249066	4.5 1.066	
10	0.431876	2. 169543	4.1 1.054	
11	0.445876	2. 108782	3.8 1.045	
12	0.458927	2. 060785	3.5 1.039	
13	0.469274	2. 021851	3.3 1.034	
14	0.478359	2. 000840	3.1 1.030	
15	0.485530	1. 985211	3.0 1.023	
16	0.490853	1. 973405	2.9 1.019	
17	0.494622	1. 964580	2.8 1.016	
18	0.497239	1. 958192	2.7 1.014	
19	0.499304	1. 953567	2.6 1.012	
20	0.500940	1. 950237	2.5 1.010	
21	0.502149	1. 947813	2.4 1.009	
22	0.502949	1. 946069	2.3 1.008	
23	0.503418	1. 944860	2.2 1.007	
24	0.503792	1. 944069	2.1 1.006	
25	0.504082	1. 943513	2.0 1.005	
26	0.504287	1. 943087	1.9 1.004	
27	0.504409	1. 942787	1.8 1.003	
28	0.504541	1. 942513	1.7 1.002	
29	0.504682	1. 942263	1.6 1.001	
30	0.504831	1. 942037	1.5 1.000	
31	0.504987	1. 941835	1.4 0.999	
32	0.505149	1. 941657	1.3 0.998	
33	0.505316	1. 941493	1.2 0.997	
34	0.505488	1. 941343	1.1 0.996	
35	0.505664	1. 941207	1.0 0.995	
36	0.505844	1. 941085	0.9 0.994	
37	0.506028	1. 940977	0.8 0.993	
38	0.506215	1. 940883	0.7 0.992	
39	0.506405	1. 940793	0.6 0.991	
40	0.506598	1. 940707	0.5 0.990	
41	0.506794	1. 940625	0.4 0.989	
42	0.506992	1. 940547	0.3 0.988	
43	0.507192	1. 940473	0.2 0.987	
44	0.507394	1. 940403	0.1 0.986	
45	0.507598	1. 940337	0.0 0.985	
46	0.507803	1. 940275		
47	0.508010	1. 940217		
48	0.508218	1. 940163		
49	0.508428	1. 940113		
50	0.508638	1. 940067		
51	0.508849	1. 940025		
52	0.509061	1. 940000		
53	0.509274	1. 940000		
54	0.509488	1. 940000		
55	0.509703	1. 940000		
56	0.509918	1. 940000		
57	0.510134	1. 940000		
58	0.510350	1. 940000		
59	0.510567	1. 940000		
60	0.510784	1. 940000		

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.00	161.447639	*	2.000
2	0.00	18.512821	*	1.434
3	0.00	10.127964	*	1.302
4	0.00	7.708647	*	1.247
5	0.00	6.607891	*	1.218
6	0.00	5.987378	*	1.200
7	0.00	5.591448	*	1.188
8	0.00	5.317655	*	1.175
9	0.00	5.117355	*	1.173
10	0.00	4.964603	*	1.168
12	0.00	4.747225	*	1.160
14	0.00	4.600110	*	1.155
16	0.00	4.493958	*	1.151
18	0.00	4.415873	*	1.146
20	0.00	4.351244	*	1.142
25	0.00	4.241699	*	1.140
30	0.00	4.170877	*	1.138
35	0.00	4.121338	*	1.137
40	0.00	4.084746	*	1.136
45	0.00	4.056612	*	1.135
50	0.00	4.034310	*	1.134
55	0.00	4.016195	*	1.134
60	0.00	4.001191	*	1.134

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.000000	199.524903	16058.6	1.591
3	0.000011	19.047299	4222.8	1.393
4	0.000043	10.615022	1155.1	1.249
5	0.000083	7.019978	508.8	1.184
6	0.000124	5.840332	309.1	1.150
7	0.000163	5.233764	229.7	1.128
8	0.000197	4.832767	174.3	1.113
9	0.000228	4.535135	141.0	1.103
10	0.000254	4.358731	113.6	1.095
12	0.000273	4.207530	77.0	1.089
14	0.000313	3.993943	44.8	1.080
16	0.000349	3.850396	33.3	1.074
18	0.000375	3.747407	24.7	1.070
20	0.000396	3.669959	17.1	1.067
25	0.000413	3.609617	10.0	1.064
30	0.000447	3.504503	9.0	1.059
35	0.000489	3.436848	8.2	1.056
40	0.000503	3.389668	8.0	1.054
45	0.005141	3.354893	8.0	1.053
50	0.005230	3.326207	8.0	1.052
55	0.005304	3.307078	8.0	1.051
60	0.005367	3.289936	8.0	1.050
		3.275750	8.0	1.049

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.000515	215.929671	1945.0	1.0387
4	0.003976	19.348611	1088.5	1.0386
5	0.008473	9.463172	37.3	1.0231
6	0.012599	6.782139	21.2	1.0164
7	0.016082	5.603648	14.9	1.0128
8	0.018967	4.953858	11.7	1.0106
9	0.021363	4.545591	9.8	1.0090
10	0.023368	4.266449	8.6	1.0080
11	0.025064	4.064000	7.7	1.0072
12	0.026514	3.910660	7.1	1.0065
14	0.028853	3.694088	6.2	1.0056
16	0.030654	3.548656	5.6	1.0050
18	0.032080	3.444349	5.2	1.0046
20	0.033215	3.365923	4.7	1.0043
25	0.035930	3.198398	4.3	1.0036
30	0.037226	3.129393	4.1	1.0031
35	0.038142	3.082116	3.9	1.0031
40	0.038844	3.046901	3.8	1.0029
45	0.039393	3.019871	3.7	1.0028
50	0.039842	2.998465	3.7	1.0027
55	0.040212	2.981104	3.6	1.0027
60	0.040532	2.966733	3.5	1.0026

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.002726	224.977836	1140.9	1.0337
5	0.012821	19.500000	79.0	1.0335
6	0.023236	9.352097	28.9	1.0228
7	0.032038	6.618109	16.7	1.0160
8	0.039130	5.420015	11.8	1.0133
9	0.044868	4.760438	9.3	1.0099
10	0.049552	4.346356	7.8	1.0084
11	0.053453	4.063354	6.9	1.0073
12	0.056722	3.858142	6.1	1.0064
14	0.059502	3.702719	5.6	1.0058
16	0.063966	3.483150	4.9	1.0049
18	0.067388	3.335744	4.4	1.0043
20	0.070089	3.229966	4.1	1.0038
25	0.072274	3.150413	3.8	1.0035
30	0.074077	3.088422	3.7	1.0032
35	0.077450	2.980398	3.3	1.0028
40	0.079793	2.910830	3.1	1.0025
45	0.081515	2.862294	3.0	1.0021
50	0.082833	2.826508	2.9	1.0021
55	0.083875	2.799022	2.8	1.0020
60	0.084718	2.777273	2.8	1.0019
	0.085415	2.759615	2.7	1.0019
	0.086001	2.744999	2.7	1.0018

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.006155	0.650242	944.7	1.989
11	0.023301	0.576408	71.4	1.387
17	0.038862	0.526350	26.5	1.229
23	0.051750	0.495964	15.4	1.160
29	0.062033	0.471005	10.9	1.122
35	0.070297	0.451913	8.6	1.098
41	0.077041	0.432010	7.1	1.082
47	0.082626	0.415372	6.2	1.070
53	0.087335	0.400816	5.6	1.063
59	0.091330	0.388120	5.1	1.055
65	0.094771	0.376943	4.4	1.046
71	0.102633	0.368041	4.0	1.039
77	0.110655	0.360734	3.7	1.035
83	0.118833	0.354297	3.4	1.033
89	0.127155	0.348636	3.1	1.032
95	0.135620	0.343661	3.0	1.034
101	0.144233	0.339303	2.8	1.035
107	0.152995	0.335503	2.7	1.039
113	0.161904	0.332194	2.6	1.048
119	0.170959	0.329317	2.5	1.047
125	0.180161	0.326809	2.4	1.046
131	0.189509	0.324619	2.4	1.045
137	0.198994	0.322697	2.4	1.044
143	0.208616	0.321003	2.4	1.043
149	0.218375	0.319500	2.4	1.042
155	0.228271	0.318159	2.4	1.041
161	0.238304	0.316954	2.4	1.040
167	0.248474	0.315869	2.4	1.039
173	0.258780	0.314890	2.4	1.038
179	0.269222	0.314013	2.4	1.037
185	0.279800	0.313234	2.4	1.036
191	0.290513	0.312549	2.4	1.035
197	0.301361	0.311954	2.4	1.034
203	0.312343	0.311446	2.4	1.034
209	0.323460	0.311011	2.4	1.034
215	0.334712	0.310647	2.4	1.034
221	0.346100	0.310351	2.4	1.034
227	0.357624	0.310121	2.4	1.034
233	0.369284	0.310000	2.4	1.034
239	0.381081	0.310000	2.4	1.034
245	0.393015	0.310000	2.4	1.034
251	0.405086	0.310000	2.4	1.034
257	0.417294	0.310000	2.4	1.034
263	0.429639	0.310000	2.4	1.034
269	0.442122	0.310000	2.4	1.034
275	0.454744	0.310000	2.4	1.034
281	0.467505	0.310000	2.4	1.034
287	0.480406	0.310000	2.4	1.034
293	0.493447	0.310000	2.4	1.034
299	0.506628	0.310000	2.4	1.034
305	0.519949	0.310000	2.4	1.034
311	0.533410	0.310000	2.4	1.034
317	0.546911	0.310000	2.4	1.034
323	0.560462	0.310000	2.4	1.034
329	0.574063	0.310000	2.4	1.034
335	0.587714	0.310000	2.4	1.034
341	0.601415	0.310000	2.4	1.034
347	0.615166	0.310000	2.4	1.034
353	0.628967	0.310000	2.4	1.034
359	0.642818	0.310000	2.4	1.034
365	0.656719	0.310000	2.4	1.034
371	0.670670	0.310000	2.4	1.034
377	0.684671	0.310000	2.4	1.034
383	0.698722	0.310000	2.4	1.034
389	0.712823	0.310000	2.4	1.034
395	0.726974	0.310000	2.4	1.034
401	0.741175	0.310000	2.4	1.034
407	0.755426	0.310000	2.4	1.034
413	0.769727	0.310000	2.4	1.034
419	0.784078	0.310000	2.4	1.034
425	0.798479	0.310000	2.4	1.034
431	0.812930	0.310000	2.4	1.034
437	0.827431	0.310000	2.4	1.034
443	0.841982	0.310000	2.4	1.034
449	0.856583	0.310000	2.4	1.034
455	0.871234	0.310000	2.4	1.034
461	0.885935	0.310000	2.4	1.034
467	0.900686	0.310000	2.4	1.034
473	0.915487	0.310000	2.4	1.034
479	0.930338	0.310000	2.4	1.034
485	0.945239	0.310000	2.4	1.034
491	0.960190	0.310000	2.4	1.034
497	0.975191	0.310000	2.4	1.034
503	0.990242	0.310000	2.4	1.034
509	1.005343	0.310000	2.4	1.034
515	1.020494	0.310000	2.4	1.034
521	1.035695	0.310000	2.4	1.034
527	1.050946	0.310000	2.4	1.034
533	1.066247	0.310000	2.4	1.034
539	1.081598	0.310000	2.4	1.034
545	1.096999	0.310000	2.4	1.034
551	1.112450	0.310000	2.4	1.034
557	1.127951	0.310000	2.4	1.034
563	1.143502	0.310000	2.4	1.034
569	1.159103	0.310000	2.4	1.034
575	1.174754	0.310000	2.4	1.034
581	1.190455	0.310000	2.4	1.034
587	1.206206	0.310000	2.4	1.034
593	1.222007	0.310000	2.4	1.034
599	1.237858	0.310000	2.4	1.034
605	1.253759	0.310000	2.4	1.034
611	1.269710	0.310000	2.4	1.034
617	1.285711	0.310000	2.4	1.034
623	1.301762	0.310000	2.4	1.034
629	1.317863	0.310000	2.4	1.034
635	1.333964	0.310000	2.4	1.034
641	1.350115	0.310000	2.4	1.034
647	1.366316	0.310000	2.4	1.034
653	1.382567	0.310000	2.4	1.034
659	1.398868	0.310000	2.4	1.034
665	1.415219	0.310000	2.4	1.034
671	1.431620	0.310000	2.4	1.034
677	1.448071	0.310000	2.4	1.034
683	1.464572	0.310000	2.4	1.034
689	1.481123	0.310000	2.4	1.034
695	1.497724	0.310000	2.4	1.034
701	1.514375	0.310000	2.4	1.034
707	1.531076	0.310000	2.4	1.034
713	1.547827	0.310000	2.4	1.034
719	1.564628	0.310000	2.4	1.034
725	1.581479	0.310000	2.4	1.034
731	1.598380	0.310000	2.4	1.034
737	1.615331	0.310000	2.4	1.034
743	1.632332	0.310000	2.4	1.034
749	1.649383	0.310000	2.4	1.034
755	1.666484	0.310000	2.4	1.034
761	1.683635	0.310000	2.4	1.034
767	1.700836	0.310000	2.4	1.034
773	1.718087	0.310000	2.4	1.034
779	1.735388	0.310000	2.4	1.034
785	1.752739	0.310000	2.4	1.034
791	1.770140	0.310000	2.4	1.034
797	1.787591	0.310000	2.4	1.034
803	1.805092	0.310000	2.4	1.034
809	1.822643	0.310000	2.4	1.034
815	1.840244	0.310000	2.4	1.034
821	1.857895	0.310000	2.4	1.034
827	1.875596	0.310000	2.4	1.034
833	1.893347	0.310000	2.4	1.034
839	1.911148	0.310000	2.4	1.034
845	1.928999	0.310000	2.4	1.034
851	1.946850	0.310000	2.4	1.034
857	1.964751	0.310000	2.4	1.034
863	1.982702	0.310000	2.4	1.034
869	2.000703	0.310000	2.4	1.034
875	2.018754	0.310000	2.4	1.034
881	2.036855	0.310000	2.4	1.034
887	2.054956	0.310000	2.4	1.034
893	2.073107	0.310000	2.4	1.034
899	2.091308	0.310000	2.4	1.034
905	2.109559	0.310000	2.4	1.034
911	2.127860	0.310000	2.4	1.034
917	2.146211	0.310000	2.4	1.034
923	2.164612	0.310000	2.4	1.034
929	2.183063	0.310000	2.4	1.034
935	2.201564	0.310000	2.4	1.034
941	2.220115	0.310000	2.4	1.034
947	2.238716	0.310000	2.4	1.034
953	2.257367	0.310000	2.4	1.034
959	2.276068	0.310000	2.4	1.034
965	2.294819	0.310000	2.4	1.034
971	2.313620	0.310000	2.4	1.034
977	2.332471	0.310000	2.4	1.034
983	2.351372	0.310000	2.4	1.034
989	2.370323	0.310000	2.4	1.034
995	2.389324	0.310000	2.4	1.034
1001	2.408375	0.310000	2.4	1.034
1007	2.427476	0.310000	2.4	1.034
1013	2.446627	0.310000	2.4	1.034
1019	2.465828	0.310000	2.4	1.034
1025	2.485079	0.310000	2.4	1.034
1031	2.504380	0.310000	2.4	1.034
1037	2.523731	0.310000	2.4	1.034
1043	2.543132	0.310000	2.4	1.034
1049	2.562583	0.310000	2.4	1.034
1055	2.582084	0.310000	2.4	1.034
1061	2.601635	0.310000	2.4	1.034
1067	2.621236	0.310000	2.4	1.034
1073	2.640887	0.310000	2.4	1.034
1079	2.660588	0.310000	2.4	1.034
1085	2.680339	0.310000	2.4	1.034
1091	2.700140	0.310000	2.4	1.034
1097	2.720001	0.310000	2.4	1.034
1103	2.739912	0.310000	2.4	1.034
1109	2.759873	0.310000	2.4	1.034
1115	2.779884	0.310000	2.4	1.034
1121	2.799945	0.310000	2.4	1.034
1127	2.819956	0.310000	2.4	1.034
1133	2.839967	0.310000	2.4	1.034
1139	2.859978	0.310000	2.4	1.034
1145	2.879989	0.310000	2.4	1.034
1151	2.899990	0.310000	2.4	1.034
1157	2.919991	0.310000	2.4	1.034
1163	2.939992	0.310000	2.4	1.034
1169	2.959993	0.310000	2.4	1.034
1175	2.979994	0.310000	2.4	1.034
1181	2.999995	0.310000	2.4	1.034
1187	3.019996	0.310000	2.4	1.034
1193	3.039997	0.310000	2.4	1.034
1199	3.059998	0.310000	2.4	1.034
1205	3.079999	0.310000	2.4	1.034
1211	3.099990	0.310000	2.4	1.034
1217	3.119991	0.310000	2.4	1.034
1223	3.139992	0.310000	2.4	1.034
1229	3.159993	0.310000	2.4	1.034
1235	3.179994	0.310000	2.4	1.034
1241	3.199995	0.310000	2.4	1.034
1247	3.219996	0.310000	2.4	1.034
1253	3.239997	0.310000	2.4	1.034
1259	3.259998	0.310000	2.4	1.034
1265	3.279999	0.310000	2.4	1.034
1271	3.299990	0.310000		

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.013607	237.323956	854.2	1.5991
1	0.041236	19.643490	68.9	1.3391
2	0.065437	9.137602	25.8	1.2333
3	0.084679	6.330589	15.0	1.1633
4	0.099951	5.104558	10.6	1.1090
5	0.112236	4.430368	8.2	1.0682
6	0.122282	4.007145	6.6	1.0370
7	0.130628	3.717765	5.9	1.0161
8	0.137661	3.507776	5.3	1.0054
9	0.143663	3.348568	4.8	1.0044
10	0.148335	3.234699	4.4	1.0037
11	0.151667	3.160829	4.1	1.0032
12	0.153755	3.117154	3.9	1.0029
13	0.154933	3.086312	3.7	1.0026
14	0.155335	3.063333	3.5	1.0023
15	0.155923	3.043292	3.4	1.0021
16	0.156672	3.025708	3.3	1.0019
17	0.157597	3.011709	3.2	1.0017
18	0.158313	3.000544	3.1	1.0015
19	0.158840	2.991333	3.0	1.0013
20	0.159230	2.983292	2.9	1.0012
21	0.159523	2.976170	2.8	1.0011
22	0.159767	2.969441	2.7	1.0010
23	0.159960	2.963113	2.6	1.0009
24	0.160119	2.957197	2.5	1.0008
25	0.160254	2.951603	2.4	1.0007
26	0.160364	2.946339	2.3	1.0006

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.016980	239.446743	348.9	1.5991
1	0.048733	19.653944	69.4	1.3391
2	0.076033	9.092454	26.0	1.2333
3	0.097759	6.272335	15.1	1.1633
4	0.114992	5.041784	10.6	1.1090
5	0.128871	4.364317	8.2	1.0682
6	0.140246	3.939737	6.6	1.0370
7	0.149717	3.649027	5.9	1.0161
8	0.157715	3.437931	5.3	1.0054
9	0.164533	3.277940	4.8	1.0044
10	0.170622	3.150546	4.4	1.0037
11	0.175622	3.051465	4.1	1.0032
12	0.179418	2.989667	3.9	1.0029
13	0.182100	2.958930	3.7	1.0026
14	0.183965	2.937660	3.5	1.0023
15	0.185013	2.922136	3.4	1.0021
16	0.185302	2.912934	3.3	1.0019
17	0.185820	2.905547	3.2	1.0017
18	0.186404	2.900553	3.1	1.0015
19	0.186981	2.896794	3.0	1.0013
20	0.187506	2.893894	2.9	1.0012
21	0.187993	2.891603	2.8	1.0011
22	0.188432	2.889730	2.7	1.0010
23	0.188832	2.888192	2.6	1.0009
24	0.189193	2.886894	2.5	1.0008
25	0.189515	2.885797	2.4	1.0007
26	0.189798	2.884860	2.3	1.0006

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.020012	241.109253	851.8	1.993
10	0.055286	19.670151	70.1	1.395
15	0.085243	9.055381	26.3	1.237
20	0.109012	6.225836	15.2	1.166
25	0.127914	4.990763	10.0	1.126
30	0.143177	4.311525	8.3	1.101
35	0.155774	3.884929	6.9	1.084
40	0.166175	3.593050	5.9	1.071
45	0.175037	3.381091	5.2	1.062
50	0.182609	3.220295	4.7	1.054
55	0.194915	3.092627	4.1	1.044
60	0.204466	2.993214	3.6	1.037
65	0.212092	2.917288	3.3	1.032
70	0.218332	2.855577	3.1	1.028
75	0.223505	2.805550	2.9	1.025
80	0.228330	2.766844	2.6	1.020
85	0.234033	2.733305	2.4	1.017
90	0.240338	2.704330	2.3	1.015
95	0.245292	2.683775	2.2	1.013
100	0.252449	2.674495	2.1	1.012
105	0.255711	2.651266	2.0	1.011
110	0.258910	2.633398	1.9	1.010
115		2.616741		1.010

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.022714	242.446256	853.7	1.994
15	0.060934	19.677654	71.0	1.396
20	0.093101	9.024484	26.6	1.238
25	0.118723	6.136907	15.4	1.167
30	0.139032	4.948528	10.8	1.127
35	0.155557	4.267387	8.4	1.102
40	0.169116	3.839482	6.9	1.084
45	0.180434	3.546608	5.9	1.072
50	0.190066	3.33847	5.2	1.062
55	0.198316	3.172393	4.7	1.055
60	0.211734	2.943645	4.1	1.044
65	0.222179	2.789402	3.6	1.037
70	0.230538	2.678343	3.3	1.032
75	0.237379	2.594542	3.1	1.028
80	0.243031	2.529047	2.9	1.025
85	0.253898	2.414439	2.6	1.020
90	0.261536	2.340248	2.4	1.016
95	0.267218	2.288278	2.3	1.014
100	0.271610	2.249835	2.2	1.013
105	0.275106	2.220241	2.1	1.011
110	0.277935	2.196754	2.0	1.010
115	0.280322	2.177659	1.9	1.010
120	0.282320	2.161827		1.009

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

12 DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.027255	244.463406	377.0	1.595
4	0.070189	19.687168	72.88	1.399
6	0.106078	8.976078	27.33	1.241
8	0.134567	6.126273	15.86	1.165
10	0.157329	4.882758	11.00	1.120
12	0.175816	4.158390	8.05	1.104
14	0.191091	3.768555	7.00	1.086
16	0.203911	3.474034	6.00	1.073
18	0.214818	3.259928	5.33	1.064
20	0.223954	3.097327	4.88	1.056
22	0.231547	2.986744	4.51	1.045
24	0.236911	2.911047	4.26	1.038
26	0.240519	2.859803	4.05	1.033
28	0.242754	2.814014	3.88	1.028
30	0.243883	2.773143	3.75	1.025
32	0.244097	2.736800	3.63	1.020
34	0.244232	2.703322	3.53	1.016
36	0.244299	2.672043	3.45	1.012
38	0.244299	2.643398	3.38	1.011
40	0.244232	2.616398	3.33	1.010
42	0.244097	2.591833	3.29	1.009
44	0.243883	2.569833	3.25	1.009
46	0.243576	2.549833	3.22	1.009
48	0.243195	2.531331	3.20	1.009
50	0.242754	2.514014	3.19	1.009
52	0.242255	2.497741	3.18	1.009
54	0.241701	2.482441	3.17	1.009
56	0.241091	2.468047	3.16	1.009
58	0.240427	2.454500	3.15	1.009
60	0.239709	2.441741	3.14	1.009

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

14 DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.030875	245.912609	896.3	1.996
4	0.077403	19.692721	74.55	1.401
6	0.116112	8.939998	27.9	1.243
8	0.146832	6.082130	16.1	1.177
10	0.171538	4.833396	11.2	1.131
12	0.191630	4.147481	8.7	1.105
14	0.208287	3.715781	7.1	1.087
16	0.222309	3.419946	6.1	1.074
18	0.233275	3.204749	5.4	1.065
20	0.241605	3.041215	4.9	1.057
22	0.246541	2.890095	4.5	1.046
24	0.248500	2.765216	4.2	1.038
26	0.248500	2.658908	4.0	1.033
28	0.247444	2.563261	3.8	1.028
30	0.245255	2.486194	3.6	1.025
32	0.242070	2.428499	3.5	1.020
34	0.237804	2.383321	3.3	1.016
36	0.232571	2.348495	3.2	1.012
38	0.226444	2.323777	3.1	1.011
40	0.219331	2.304335	3.0	1.010
42	0.211254	2.289478	2.9	1.009
44	0.202274	2.278975	2.8	1.008

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.033805	247.004101	914.3	1.997
17	0.083156	19.696232	76.1	1.402
18	0.124102	8.912126	28.4	1.245
19	0.156699	6.046659	16.4	1.173
20	0.182885	4.796336	11.4	1.133
21	0.204285	4.108039	8.8	1.107
22	0.222076	3.674995	7.3	1.089
23	0.237093	3.378084	6.6	1.076
24	0.249939	3.161984	5.9	1.066
25	0.261056	2.997668	5.3	1.058
26	0.279340	2.764247	4.8	1.047
27	0.293753	2.606264	4.3	1.039
28	0.305441	2.492124	3.9	1.033
29	0.315094	2.405730	3.5	1.029
30	0.323210	2.338013	3.2	1.025
31	0.338799	2.219037	3.0	1.020
32	0.349971	2.141612	2.8	1.016
33	0.358376	2.087148	2.6	1.014
34	0.364932	2.046721	2.5	1.012
35	0.370190	2.015511	2.4	1.011
36	0.374502	1.990681	2.3	1.009
37	0.378102	1.970451	2.2	1.008
38	0.381154	1.953650	2.1	1.008

CONFIDENCE LEVEL = .95
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.036215	247.855764	930.7	1.997
19	0.087840	19.698590	77.4	1.403
20	0.130601	8.889971	23.9	1.246
21	0.164693	6.019173	16.7	1.174
22	0.192114	4.766495	11.6	1.134
23	0.214621	4.076688	9.0	1.108
24	0.233330	3.642534	7.4	1.090
25	0.249217	3.344725	6.3	1.077
26	0.262807	3.127864	5.6	1.067
27	0.274592	2.962885	5.0	1.059
28	0.294023	2.728347	4.5	1.047
29	0.309412	2.569450	4.1	1.039
30	0.321903	2.454541	3.8	1.034
31	0.332255	2.367489	3.5	1.029
32	0.340980	2.299206	3.2	1.026
33	0.357793	2.179078	3.0	1.020
34	0.369890	2.100785	2.8	1.016
35	0.379020	2.045640	2.6	1.014
36	0.386150	2.004664	2.5	1.012
37	0.391899	1.973002	2.4	1.010
38	0.396614	1.947793	2.3	1.009
39	0.400556	1.927241	2.2	1.008
40	0.403903	1.910162	2.1	1.008

CONFIDENCE LEVEL = .95
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.00382227	248.538819	945.3	1.598
21	0.00917222	19.700249	78.6	1.404
22	0.01359886	8.871950	29.4	1.247
23	0.01713222	5.996840	16.9	1.176
24	0.01998238	4.742219	11.8	1.135
25	0.02232799	4.051173	9.1	1.109
26	0.02427699	3.616087	7.5	1.091
27	0.02593333	3.317517	6.4	1.078
28	0.02735611	3.100005	5.6	1.067
29	0.02855919	2.934455	5.1	1.060
30	0.03063351	2.698950	4.3	1.048
31	0.03225770	2.539254	3.8	1.040
32	0.03357773	2.423668	3.4	1.034
33	0.03467474	2.336033	3.1	1.030
34	0.03560055	2.267241	2.9	1.026
35	0.03739077	2.146084	2.6	1.020
36	0.03868366	2.067005	2.3	1.014
37	0.03966233	2.011239	2.1	1.012
38	0.04042944	1.959761	2.0	1.010
39	0.04104733	1.937682	1.9	1.008
40	0.04155577	1.912122	1.8	1.008
41	0.04198144	1.891371	1.8	1.008
42	0.04234333	1.873934	1.8	1.008

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.0042039	249.772205	975.3	1.598
26	0.0099017	19.702747	80.1	1.406
27	0.0146103	8.838858	30.0	1.249
28	0.0183799	5.935875	17.7	1.178
29	0.02143255	4.697642	12.2	1.137
30	0.02394886	4.004256	9.9	1.111
31	0.02605822	3.673822	7.7	1.093
32	0.02785366	3.367333	6.5	1.079
33	0.0294014	3.088544	5.8	1.069
34	0.03075077	2.881866	5.2	1.061
35	0.03299213	2.644426	4.4	1.049
36	0.03447813	2.483112	3.9	1.041
37	0.03624699	2.366143	3.5	1.035
38	0.03746966	2.277306	3.2	1.031
39	0.03850677	2.207458	3.0	1.027
40	0.04052337	2.084140	2.6	1.021
41	0.0419918	2.003392	2.4	1.017
42	0.04311014	1.946392	2.2	1.014
43	0.04399914	1.903724	2.0	1.011
44	0.04470422	1.870736	1.9	1.009
45	0.04529300	1.844406	1.8	1.008
46	0.04578777	1.822895	1.8	1.008
47	0.0462093	1.804985	1.8	1.008

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.044719	0.597259	998.00	1.5955
1	0.104106	19.704079	82.8	1.407
2	0.153161	8.816336	30.5	1.251
3	0.192513	5.928017	17.8	1.179
4	0.224481	4.667290	12.4	1.139
5	0.250906	3.972254	9.5	1.112
6	0.273127	3.534101	7.3	1.094
7	0.292094	3.232979	6.7	1.081
8	0.308490	3.013254	5.9	1.071
9	0.322820	2.845740	5.3	1.062
10	0.334671	2.606851	4.4	1.050
11	0.345879	2.444309	3.9	1.042
12	0.356330	2.326277	3.5	1.036
13	0.365827	2.236508	3.2	1.031
14	0.374827	2.165832	3.0	1.028
15	0.381630	2.040801	2.8	1.021
16	0.389482	1.958706	2.6	1.017
17	0.394037	1.900518	2.4	1.014
18	0.406037	1.857049	2.2	1.012
19	0.428010	1.823304	2.0	1.011
20	0.444090	1.796328	1.9	1.010
25	0.456403	1.774258	1.8	1.009
30	0.466149	1.755861	1.8	1.008
40	0.474062			
50	0.480619			
55	0.486143			
60	0.490853			

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.046701	0.187966	1015.8	1.5999
1	0.107852	19.704875	34.2	1.408
2	0.153830	8.800027	11.4	1.252
3	0.192893	5.907851	8.1	1.181
4	0.231937	4.645296	6.6	1.140
5	0.259355	3.945035	5.7	1.114
6	0.282433	3.509920	5.0	1.095
7	0.302171	3.207984	4.6	1.082
8	0.319269	2.987544	4.2	1.072
9	0.334244	2.819386	3.9	1.063
10	0.345928	2.579371	3.5	1.051
11	0.355438	2.415865	3.2	1.043
12	0.366037	2.296992	3.0	1.037
13	0.376023	2.206479	2.8	1.032
14	0.421940	2.155139	2.6	1.028
15	0.445331	2.003716	2.4	1.022
16	0.462555	1.925513	2.2	1.018
17	0.475803	1.866420	2.0	1.015
18	0.486327	1.822195	1.9	1.011
19	0.494899	1.787810	1.8	1.010
20	0.502022	1.760284	1.8	1.009
25	0.508058	1.737735	1.8	1.008
30	0.513139	1.713918	1.8	1.008

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.048226	251.631757	102.5.5	2.000
41	0.048226	19.705391	103.5.3	1.409
42	0.048226	18.787676	104.5.1	1.253
43	0.048226	18.892580	105.5.1	1.182
44	0.048226	18.931430	106.5.1	1.141
45	0.048226	18.967976	107.5.1	1.115
46	0.048226	18.999846	108.5.1	1.093
47	0.048226	19.027135	109.5.1	1.072
48	0.048226	19.050422	110.5.1	1.054
49	0.048226	19.069994	111.5.1	1.032
50	0.048226	19.085839	112.5.1	1.011
51	0.048226	19.098333	113.5.1	0.990
52	0.048226	19.107971	114.5.1	0.968
53	0.048226	19.115221	115.5.1	0.946
54	0.048226	19.120466	116.5.1	0.924
55	0.048226	19.124183	117.5.1	0.902
56	0.048226	19.126795	118.5.1	0.880

CONFIDENCE LEVEL=.95
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.049435	251.977381	104.1.4	2.000
46	0.049435	19.705745	105.1.1	1.410
47	0.049435	18.788000	106.1.1	1.254
48	0.049435	18.892617	107.1.1	1.183
49	0.049435	18.931559	108.1.1	1.142
50	0.049435	18.967999	109.1.1	1.116
51	0.049435	18.999846	110.1.1	1.094
52	0.049435	19.027135	111.1.1	1.073
53	0.049435	19.050422	112.1.1	1.055
54	0.049435	19.069994	113.1.1	1.033
55	0.049435	19.085839	114.1.1	1.012
56	0.049435	19.098333	115.1.1	0.991
57	0.049435	19.107971	116.1.1	0.969
58	0.049435	19.115221	117.1.1	0.947
59	0.049435	19.120466	118.1.1	0.925
60	0.049435	19.124183	119.1.1	0.903

CONFIDENCE LEVEL=.95
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.050416	252.254168	1051.00	2.000
1	0.114834	19.706000	86.9	1.41C
2	0.168055	8.770215	32.4	1.254
3	0.210971	5.870991	18.7	1.183
4	0.246047	4.605040	13.0	1.142
5	0.275244	3.906466	10.0	1.116
6	0.299956	3.465510	8.2	1.098
7	0.321133	3.161998	7.0	1.084
8	0.339011	2.940157	6.2	1.074
9	0.355904	2.770730	5.5	1.065
10	0.383227	2.528471	4.7	1.053
11	0.405366	2.363017	4.1	1.045
12	0.423373	2.242424	3.7	1.038
13	0.439293	2.153037	3.4	1.034
14	0.453263	2.077648	3.1	1.030
15	0.465873	2.014327	2.9	1.027
16	0.477402	1.960160	2.7	1.025
17	0.488262	1.913699	2.5	1.023
18	0.498630	1.871987	2.4	1.022
19	0.508470	1.833109	2.3	1.020
20	0.517844	1.796746	2.2	1.019
21	0.526813	1.762456	2.1	1.018
22	0.535437	1.729766	2.0	1.018

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.033422	252.480820	1059.00	2.000
1	0.116353	19.706190	87.5	1.410
2	0.170117	8.763817	32.6	1.255
3	0.224959	5.863080	18.8	1.183
4	0.273722	4.596390	13.1	1.143
5	0.317372	3.897307	10.0	1.116
6	0.356069	3.455940	8.3	1.098
7	0.390337	3.152074	7.1	1.084
8	0.420669	2.932916	6.2	1.074
9	0.447553	2.717424	5.6	1.066
10	0.471513	2.531517	4.7	1.054
11	0.493093	2.380520	4.1	1.045
12	0.512822	2.261055	3.7	1.039
13	0.531278	2.165048	3.4	1.034
14	0.548954	2.088782	3.1	1.030
15	0.566199	2.028708	2.9	1.027
16	0.582944	1.979879	2.7	1.025
17	0.599237	1.938684	2.5	1.023
18	0.615119	1.899582	2.4	1.022
19	0.630639	1.863160	2.3	1.020
20	0.645847	1.829105	2.2	1.019
21	0.660793	1.797160	2.1	1.018
22	0.675527	1.767055	2.0	1.018

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.051911	252.669828	1065.8	2.000
1	0.117634	19.706335	88.0	1.411
2	0.171945	8.758466	32.8	1.255
3	0.215804	5.856463	18.9	1.184
4	0.251722	4.589152	13.2	1.143
5	0.281654	3.889639	10.1	1.117
6	0.307049	3.447925	8.3	1.098
7	0.328905	3.143757	7.1	1.085
8	0.347954	2.921330	6.3	1.075
9	0.364733	2.751366	5.6	1.066
10	0.379301	2.508148	4.7	1.054
11	0.416023	2.341852	4.1	1.046
12	0.435176	2.220506	3.7	1.039
13	0.451413	2.127776	3.4	1.034
14	0.465389	2.054432	3.2	1.030
15	0.479517	1.992372	3.0	1.024
16	0.513971	1.857029	3.0	1.019
17	0.530202	1.775018	3.0	1.016
18	0.543259	1.728314	2.2	1.014
19	0.554012	1.691791	2.1	1.012
20	0.563305	1.662401	2.0	1.010
21	0.570723	1.638213	1.9	1.009
22	0.577357	1.617939	1.8	1.008

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.00	647.789011	*	2.0000
2	0.00	338.506329	*	1.1429
3	0.00	277.443443	*	1.2222
4	0.00	242.217863	*	1.3333
5	0.00	210.006982	*	1.4286
6	0.00	181.13101	*	1.5000
7	0.00	157.226609	*	1.5714
8	0.00	137.038823	*	1.6667
9	0.00	120.922855	*	1.7778
10	0.00	108.367238	*	1.8750
11	0.00	98.553769	*	1.9608
12	0.00	90.979337	*	2.0476
13	0.00	84.151522	*	2.1333
14	0.00	77.871494	*	2.2222
15	0.00	72.086366	*	2.3077
16	0.00	66.756733	*	2.3958
17	0.00	61.848300	*	2.4861
18	0.00	57.333772	*	2.5789
19	0.00	53.140373	*	2.6743
20	0.00	49.210379	*	2.7722
21	0.00	45.595611	*	2.8727
22	0.00	42.345611	*	2.9758
23	0.00	39.415611	*	3.0815
24	0.00	36.775611	*	3.1900
25	0.00	34.395611	*	3.3014
26	0.00	32.255611	*	3.4158
27	0.00	30.335611	*	3.5333
28	0.00	28.615611	*	3.6538
29	0.00	27.075611	*	3.7773
30	0.00	25.705611	*	3.9038

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.000000	799.512483	123.204.1	1.6667
3	0.000000	639.024345	106.443.6	1.5000
4	0.000000	540.078230	93.422.6	1.3333
5	0.000000	480.690784	83.511.6	1.2222
6	0.000000	438.10399	75.951.6	1.1429
7	0.000000	401.17499	69.551.4	1.0769
8	0.000000	369.596958	64.242.3	1.0196
9	0.000000	342.775332	60.037.0	0.9706
10	0.000000	319.90001	56.733.0	0.9273
11	0.000000	299.161347	53.777.7	0.8889
12	0.000000	280.24675	51.24.5	0.8547
13	0.000000	263.08419	49.22.3	0.8235
14	0.000000	247.53375	47.419.6	0.7943
15	0.000000	233.33600	45.817.6	0.7680
16	0.000000	220.257940	44.316.4	0.7438
17	0.000000	208.183420	42.915.6	0.7214
18	0.000000	197.036839	41.615.0	0.7006
19	0.000000	186.7767	40.414.6	0.6811
20	0.000000	177.3935	39.214.0	0.6629
21	0.000000	168.855	38.113.7	0.6458

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.000129	864.385224	778C.9	1.595
1	0.001419	399.322669	254.5	1.396
2	0.003449	55.592648	72.2	1.240
3	0.005510	10.134511	37.0	1.171
4	0.007361	7.921207	24.4	1.133
5	0.008960	6.758407	18.3	1.100
6	0.010336	6.051039	14.8	1.065
7	0.011496	5.578473	12.7	1.033
8	0.012501	5.241669	11.2	1.003
9	0.013371	4.990020	10.1	0.977
10	0.014179	4.799865	9.2	0.959
11	0.014911	4.639831	8.6	0.943
12	0.015591	4.408318	7.7	0.933
13	0.016803	4.244037	7.1	0.925
14	0.017532	4.121641	6.6	0.918
15	0.018133	4.026379	6.3	0.913
16	0.019283	3.863156	5.7	0.908
17	0.020086	3.758689	5.3	0.903
18	0.020630	3.686269	5.1	0.900
19	0.021137	3.633120	4.9	0.897
20	0.021499	3.592460	4.8	0.895
21	0.021794	3.560350	4.7	0.893
22	0.022037	3.534352	4.6	0.892
23	0.022242	3.512373	4.5	0.891

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.001071	900.075362	3654.9	1.594
1	0.006329	399.500000	59.0	1.394
2	0.012486	15.320195	49.0	1.236
3	0.017939	9.813371	26.0	1.166
4	0.022634	7.592263	17.4	1.137
5	0.026435	6.429490	13.2	1.103
6	0.029696	5.723358	10.7	1.076
7	0.032395	5.252277	9.2	1.060
8	0.034638	4.916864	8.1	1.051
9	0.036654	4.666433	7.3	1.044
10	0.038443	4.481322	6.6	1.039
11	0.040010	4.331111	6.1	1.036
12	0.041471	4.204962	5.7	1.034
13	0.042867	4.093354	5.4	1.033
14	0.044188	4.002356	5.1	1.032
15	0.045467	3.929964	4.9	1.031
16	0.046710	3.864296	4.7	1.030
17	0.047910	3.803303	4.6	1.029
18	0.049067	3.746704	4.5	1.028
19	0.050180	3.694296	4.4	1.027
20	0.051250	3.645103	4.3	1.026
21	0.052272	3.599342	4.2	1.025
22	0.053250	3.556777	4.1	1.024
23	0.054181	3.517100	4.0	1.023
24	0.055063	3.480290	3.9	1.022
25	0.055903	3.446166	3.8	1.021

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

CONFIDENCE LEVEL=.975
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

CONFIDENCE LEVEL = .975
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.008184	949.052920	2269.8	1.596
1	0.027534	399.679993	222.2	1.357
3	0.045426	14.881893	122.5	1.238
5	0.060161	9.307871	40.0	1.166
6	0.072116	7.074731	21.5	1.126
7	0.081884	5.909670	14.4	1.101
8	0.089964	5.203935	10.9	1.084
9	0.096736	4.733719	8.9	1.072
10	0.102483	4.399160	7.5	1.062
11	0.107433	4.149459	6.5	1.055
12	0.111543	3.802311	5.8	1.045
14	0.121646	3.572860	5.0	1.038
16	0.126641	3.410113	4.4	1.033
18	0.130666	3.288743	4.0	1.029
20	0.134032	3.194785	3.7	1.027
25	0.140396	3.033336	3.4	1.022
30	0.144867	2.929578	3.1	1.018
35	0.148179	2.856583	2.9	1.016
40	0.150730	2.803705	2.8	1.015
45	0.152755	2.763224	2.7	1.014
50	0.154402	2.731238	2.6	1.013
55	0.155767	2.705298	2.5	1.012
60	0.156917	2.683911	2.5	1.011

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.010797	957.521529	2212.5	1.596
1	0.033385	399.699437	222.5	1.359
3	0.054672	14.795893	122.5	1.239
5	0.071714	9.210536	40.0	1.168
6	0.085526	6.975276	21.4	1.127
7	0.096820	5.809730	14.4	1.102
8	0.106177	5.103864	10.7	1.085
9	0.114034	4.633538	8.7	1.073
10	0.120712	4.299974	7.4	1.065
11	0.126433	4.049204	6.5	1.055
12	0.131580	3.701889	5.8	1.048
14	0.143094	3.472251	5.0	1.038
16	0.148911	3.309514	4.4	1.033
18	0.153676	3.187764	4.0	1.029
20	0.157645	3.093634	3.7	1.026
25	0.165164	2.930815	3.4	1.021
30	0.170461	2.826758	3.1	1.018
35	0.174395	2.754522	2.9	1.016
40	0.177430	2.701446	2.8	1.015
45	0.179843	2.660800	2.7	1.014
50	0.181807	2.629367	2.6	1.013
55	0.183437	2.602646	2.5	1.012
60	0.184812	2.581127	2.5	1.011

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0013251	964.163642	2193.00	1.596
10	0.0033950	39.712037	1223.00	1.400
11	0.0062853	14.726180	40.1	1.241
12	0.0081872	9.131981	21.6	1.169
13	0.0097306	6.895021	14.4	1.128
14	0.0109945	5.729023	10.8	1.103
15	0.0120434	5.022974	8.7	1.085
16	0.0129259	4.552570	7.4	1.073
17	0.0136774	4.217832	6.5	1.063
18	0.0143246	3.967934	5.8	1.056
19	0.0148813	3.762035	4.8	1.045
20	0.0153381	3.590448	4.2	1.038
21	0.0156966	3.422726	3.8	1.033
22	0.0159741	3.254800	3.5	1.029
23	0.0161863	3.084787	3.3	1.026
24	0.0163332	2.911137	3.1	1.023
25	0.0164284	2.743461	2.9	1.020
26	0.0164784	2.670941	2.8	1.017
27	0.0164913	2.617636	2.7	1.015
28	0.0164696	2.576799	2.6	1.013
29	0.0164181	2.544515	2.5	1.011
30	0.0163471	2.518349	2.4	1.010
31	0.0162587	2.496713	2.3	1.010

CONFIDENCE LEVEL = .975
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0013509	969.351422	2192.8	1.597
11	0.0034451	39.720503	1224.0	1.401
12	0.0063022	14.466860	40.0	1.242
13	0.0081900	9.066730	21.7	1.170
14	0.0097659	6.828935	14.4	1.129
15	0.0109933	5.662313	10.8	1.104
16	0.0120467	4.956250	8.8	1.086
17	0.0129266	4.485676	7.4	1.073
18	0.0136794	4.150775	6.5	1.063
19	0.0143269	3.900713	5.8	1.056
20	0.0148807	3.653380	4.8	1.045
21	0.0153393	3.423593	4.2	1.038
22	0.0156989	3.193707	3.8	1.033
23	0.0159734	2.963799	3.5	1.029
24	0.0161885	2.733743	3.3	1.026
25	0.0163349	2.503568	3.1	1.023
26	0.0164287	2.273949	2.9	1.020
27	0.0164784	2.044069	2.8	1.017
28	0.0164913	1.814775	2.7	1.015
29	0.0164696	1.585526	2.6	1.013
30	0.0164181	1.356699	2.5	1.011
31	0.0163471	1.127756	2.4	1.010
32	0.0162587	0.898994	2.3	1.009

CONFIDENCE LEVEL = .975
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.019429	977.588775	2219.00	1.997
13	0.032917	39.730513	126.66	1.403
14	0.081985	14.575197	42.33	1.244
15	0.105640	8.967184	22.22	1.172
16	0.124876	6.726586	14.88	1.131
17	0.144070	5.533391	11.11	1.105
18	0.153391	4.832662	9.99	1.087
19	0.165093	4.381690	7.55	1.074
20	0.174661	4.046405	6.55	1.065
21	0.182943	3.793967	5.88	1.057
22	0.196554	3.447332	4.44	1.046
23	0.207272	3.216444	4.00	1.038
24	0.215923	3.052357	3.88	1.033
25	0.222905	2.929762	3.55	1.025
26	0.224051	2.834687	3.33	1.020
27	0.224866	2.766982	3.00	1.016
28	0.225595	2.714290	2.66	1.014
29	0.226333	2.674455	2.55	1.013
30	0.226646	2.643527	2.44	1.012
31	0.226905	2.619331	2.33	1.011
32	0.227124	2.599803	2.22	1.010

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.002263	983.593858	2258.00	1.998
15	0.009611	39.733572	123.44	1.404
16	0.009143	14.513114	42.33	1.246
17	0.011733	8.893362	22.22	1.174
18	0.013333	6.651059	14.88	1.133
19	0.013596	5.483180	11.11	1.107
20	0.013705	4.775984	9.99	1.089
21	0.013822	4.304555	7.55	1.075
22	0.013936	3.968907	6.55	1.066
23	0.014028	3.718077	5.88	1.058
24	0.014101	3.562697	4.44	1.048
25	0.014169	3.413222	4.00	1.039
26	0.014230	3.277031	3.88	1.033
27	0.014284	3.153701	3.55	1.026
28	0.014331	3.041462	3.33	1.021
29	0.014372	2.938787	3.00	1.016
30	0.014407	2.843449	2.66	1.014
31	0.014438	2.755274	2.55	1.013
32	0.014465	2.673083	2.44	1.012
33	0.014488	2.597653	2.33	1.011
34	0.014508	2.527200	2.22	1.010
35	0.014525	2.461423	2.11	1.009
36	0.014540	2.400823	2.00	1.008

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.0255316	987.777720	22999.00	1.998
2	0.0650288	39.738601	131.9	1.405
3	0.099097	14.462344	143.1	1.247
4	0.126858	8.836724	155.0	1.175
5	0.149542	6.593062	161.3	1.134
6	0.168318	5.424581	164.4	1.108
7	0.184083	4.716943	169.2	1.090
8	0.197497	4.245150	177.7	1.077
9	0.209047	3.909073	186.7	1.066
10	0.219036	3.657865	196.0	1.059
11	0.2255729	3.507769	204.9	1.047
12	0.2343940	3.4075545	214.3	1.039
13	0.2559691	3.3102522	223.3	1.034
14	0.2686155	3.265773	233.5	1.029
15	0.2761435	3.290528	243.9	1.026
16	0.2906688	3.23707	254.6	1.020
17	0.3011233	3.415519	265.6	1.016
18	0.3090199	3.341784	276.4	1.014
19	0.315191	3.286673	287.2	1.012
20	0.320151	3.244341	297.9	1.011
21	0.324225	3.210798	308.6	1.010
22	0.3276331	3.183556	319.0	1.009
23	0.330521	3.160998	329.9	1.008

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.027539	991.196534	23338.4	1.998
2	0.069436	39.740250	134.1	1.406
3	0.105372	14.422148	145.9	1.248
4	0.134643	8.791916	158.0	1.176
5	0.158614	6.547140	164.6	1.135
6	0.178501	5.378130	169.6	1.109
7	0.195240	4.670084	176.5	1.091
8	0.209517	4.197914	186.8	1.077
9	0.221836	3.861473	196.0	1.067
10	0.232577	3.609912	204.9	1.059
11	0.2350408	3.59149	214.3	1.048
12	0.264619	3.5026316	223.3	1.040
13	0.276221	3.460474	233.5	1.034
14	0.285878	3.36302	243.9	1.030
15	0.294044	3.39810	254.6	1.026
16	0.309853	3.472056	265.6	1.020
17	0.321284	3.364133	276.4	1.016
18	0.329942	3.288806	287.2	1.014
19	0.336731	3.233210	297.9	1.012
20	0.342198	3.190473	308.6	1.011
21	0.346697	3.156536	319.0	1.010
22	0.350465	3.129053	329.9	1.009
23	0.353666	3.106237	340.9	1.008

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.003558	0.211782	2513.2	1.596
40	0.008553	0.742277	144.0	1.409
50	0.012751	14.289445	46.9	1.252
60	0.016218	8.644084	25.1	1.180
70	0.019081	6.395325	16.6	1.140
80	0.021478	5.224169	12.4	1.113
90	0.023551	4.524356	9.9	1.095
100	0.025268	4.040516	8.3	1.081
110	0.026793	3.702453	7.2	1.071
120	0.028136	3.449316	6.4	1.063
130	0.029390	3.259568	5.8	1.057
140	0.030571	3.119998	5.3	1.051
150	0.031688	3.002666	4.9	1.046
160	0.032751	2.894591	4.6	1.041
170	0.033767	2.803179	4.3	1.036
180	0.034733	2.724999	4.1	1.032
190	0.035650	2.656697	3.9	1.028
200	0.036518	2.596691	3.7	1.025
250	0.040097	2.470330	3.3	1.014
300	0.042712	2.300290	3.1	1.012
350	0.044390	2.196691	2.9	1.010
400	0.045375	2.13568	2.8	1.009
450	0.045751	2.091356	2.7	1.008

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.003749	0.587044	2561.4	2.000
45	0.008894	39.742113	140.6	1.410
55	0.013369	14.250321	47.3	1.253
65	0.016863	8.611527	25.1	1.180
75	0.019833	6.361815	16.6	1.140
85	0.022333	5.130092	12.4	1.113
95	0.024466	4.479789	9.9	1.095
105	0.026297	4.005479	8.3	1.081
115	0.027897	3.666957	7.2	1.071
125	0.029308	3.413372	6.4	1.063
135	0.030561	3.258772	5.8	1.057
145	0.031681	3.113412	5.3	1.051
155	0.032751	3.003355	4.9	1.046
165	0.033767	2.896261	4.6	1.041
175	0.034733	2.797113	4.3	1.036
185	0.035650	2.703004	4.1	1.032
195	0.036518	2.614128	3.9	1.028
205	0.037333	2.529301	3.7	1.025
250	0.040003	2.396933	3.3	1.014
300	0.041697	2.241304	3.1	1.012
350	0.043005	2.162128	2.9	1.010
400	0.044048	2.093404	2.8	1.009
450	0.044900	2.035801	2.7	1.008
500	0.045609	1.982185	2.6	1.007
550	0.046210	1.932355	2.5	1.006
600	0.046725	1.886781	2.4	1.005

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.038974	0.06371933	2600.4	2.000
1	0.091780	0.1741864	148.7	1.410
2	0.136675	0.238126	148.4	1.254
3	0.173608	0.286907	125.5	1.183
4	0.204258	0.336453	117.2	1.144
5	0.229981	0.3764275	112.8	1.115
6	0.251934	0.413575	108.2	1.093
7	0.270945	0.447882	104.6	1.078
8	0.287544	0.479984	101.7	1.064
9	0.302194	0.5106033	99.4	1.052
10	0.316927	0.5397322	97.4	1.042
11	0.3317058	0.5673720	95.8	1.033
12	0.3464705	0.5946414	94.3	1.025
13	0.3612331	0.6215656	92.9	1.017
14	0.3759922	0.6481823	91.7	1.010
15	0.3907437	0.6745380	90.5	1.004
16	0.4054934	0.7006751	89.4	1.000
17	0.4202367	0.7266304	88.3	1.000
18	0.4349774	0.7524471	87.2	1.000
19	0.4497173	0.7781561	86.2	1.000
20	0.4644574	0.8037700	85.1	1.000
21	0.4791977	0.8293071	84.1	1.000
22	0.4886165	0.8532150	83.1	1.000

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.040153	0.07762221	2632.4	2.000
1	0.0940322	0.1741596	150.4	1.410
2	0.1398366	0.220837	149.0	1.254
3	0.1775338	0.2567638	126.2	1.183
4	0.2088755	0.2816561	117.4	1.144
5	0.2332555	0.3040413	112.0	1.115
6	0.2527796	0.3233013	108.7	1.093
7	0.2677308	0.3400000	105.7	1.078
8	0.2794387	0.3558793	103.7	1.064
9	0.2885481	0.3704337	101.7	1.052
10	0.2955015	0.3840500	99.4	1.042
11	0.3015854	0.3968650	97.4	1.033
12	0.3069017	0.4090929	95.8	1.025
13	0.3115585	0.4207273	94.3	1.017
14	0.3155674	0.4317755	92.9	1.010
15	0.3190386	0.4422353	91.7	1.004
16	0.3220737	0.4521062	90.5	1.000
17	0.3247737	0.4614861	89.4	1.000
18	0.3271484	0.4703760	88.3	1.000
19	0.3292083	0.4787869	87.2	1.000
20	0.3310533	0.4867269	86.2	1.000
21	0.3326841	0.494204	85.1	1.000
22	0.3341017	0.5012150	84.1	1.000

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

50	DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.041111	1008.875737	2659.2	2.000	
2	0.095862	39.741338	151.8	1.411	
3	0.142404	14.206941	49.5	1.251	
4	0.180769	8.552148	26.4	1.143	
5	0.212263	6.300615	17.5	1.083	
6	0.233555	5.127756	11.1	1.066	
7	0.246256	4.416452	8.0	1.058	
8	0.253350	3.941175	6.0	1.054	
9	0.259997	3.601703	5.0	1.053	
10	0.265442	3.347188	4.5	1.052	
11	0.270000	3.139080	4.0	1.051	
12	0.273630	2.953219	3.5	1.050	
13	0.276309	2.793680	3.0	1.049	
14	0.278093	2.653322	2.5	1.048	
15	0.279031	2.527999	2.0	1.047	
16	0.279170	2.412306	1.5	1.046	
17	0.278469	2.302032	1.0	1.045	
18	0.276883	2.198097	0.5	1.044	
19	0.274461	2.100364	0.0	1.043	
20	0.271233	2.005332	0.0	1.042	
21	0.267238	1.917997	0.0	1.041	
22	0.262505	1.833619	0.0	1.040	
23	0.257088	1.757971	0.0	1.039	

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

55	DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.041907	1009.787649	2681.8	2.000	
2	0.097337	39.741098	153.0	1.411	
3	0.144332	14.206529	49.8	1.251	
4	0.183345	8.553435	26.6	1.143	
5	0.215579	6.302886	17.7	1.083	
6	0.244311	5.114366	11.3	1.066	
7	0.266531	4.402299	8.0	1.058	
8	0.283683	3.927224	6.0	1.054	
9	0.296463	3.587629	5.0	1.053	
10	0.304717	3.322895	4.5	1.052	
11	0.310910	3.117670	4.0	1.051	
12	0.315374	2.933700	3.5	1.050	
13	0.318007	2.766700	3.0	1.049	
14	0.319835	2.616007	2.5	1.048	
15	0.320917	2.480460	2.0	1.047	
16	0.321304	2.356306	1.5	1.046	
17	0.321049	2.242115	1.0	1.045	
18	0.320209	2.136021	0.5	1.044	
19	0.318834	2.035483	0.0	1.043	
20	0.316994	1.938609	0.0	1.042	
21	0.314739	1.843609	0.0	1.041	
22	0.312136	1.750260	0.0	1.040	

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.042579	0.548159	2701.2	2.000
50	0.098653	39.740879	154.1	1.412
40	0.146324	14.183990	150.2	1.256
30	0.185675	8.528789	26.8	1.184
20	0.218441	6.276507	17.3	1.143
10	0.246128	5.103163	13.3	1.117
8	0.269863	4.391425	10.6	1.099
7	0.290472	3.915725	9.9	1.085
6	0.308558	3.575836	7.7	1.075
5	0.324609	3.320913	6.8	1.066
4	0.339185	3.063743	5.6	1.054
3	0.353742	2.724981	4.9	1.046
2	0.368295	2.536954	4.3	1.039
1	0.408933	2.224536	3.9	1.034
0	0.422747	2.323477	3.6	1.030
0	0.435038	2.143864	3.1	1.024
0	0.447123	2.029365	2.8	1.019
0	0.458758	1.947810	2.5	1.016
0	0.500800	1.836326	2.4	1.014
0	0.511718	1.838915	2.2	1.012
0	0.522095	1.800806	2.1	1.011
0	0.532875	1.769578	2.0	1.009
0	0.535533	1.743501	2.0	1.008

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	0.0	*	2.0000
2	0.0	0.0	*	1.4142
3	0.0	0.0	*	1.1547
4	0.0	0.0	*	1.0824
5	0.0	0.0	*	1.0488
6	0.0	0.0	*	1.0309
7	0.0	0.0	*	1.0182
8	0.0	0.0	*	1.0098
9	0.0	0.0	*	1.0048
10	0.0	0.0	*	1.0018
11	0.0	0.0	*	1.0000
12	0.0	0.0	*	1.0000
13	0.0	0.0	*	1.0000
14	0.0	0.0	*	1.0000
15	0.0	0.0	*	1.0000
16	0.0	0.0	*	1.0000
17	0.0	0.0	*	1.0000
18	0.0	0.0	*	1.0000
19	0.0	0.0	*	1.0000
20	0.0	0.0	*	1.0000
21	0.0	0.0	*	1.0000
22	0.0	0.0	*	1.0000
23	0.0	0.0	*	1.0000
24	0.0	0.0	*	1.0000
25	0.0	0.0	*	1.0000
26	0.0	0.0	*	1.0000
27	0.0	0.0	*	1.0000
28	0.0	0.0	*	1.0000
29	0.0	0.0	*	1.0000
30	0.0	0.0	*	1.0000

CONFIDENCE LEVEL = .99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	0.0	2033	1.9999
3	0.000001	0.004833	100	1.4142
4	0.0000007	0.003033	100	1.1547
5	0.0000004	0.002033	100	1.0824
6	0.0000002	0.001433	100	1.0488
7	0.0000001	0.001033	100	1.0309
8	0.0000000	0.000733	100	1.0182
9	0.0000000	0.000533	100	1.0098
10	0.0000000	0.000433	100	1.0048
11	0.0000000	0.000333	100	1.0018
12	0.0000000	0.000233	100	1.0000
13	0.0000000	0.000133	100	1.0000
14	0.0000000	0.000033	100	1.0000
15	0.0000000	0.000000	100	1.0000
16	0.0000000	0.000000	100	1.0000
17	0.0000000	0.000000	100	1.0000
18	0.0000000	0.000000	100	1.0000
19	0.0000000	0.000000	100	1.0000
20	0.0000000	0.000000	100	1.0000
21	0.0000000	0.000000	100	1.0000
22	0.0000000	0.000000	100	1.0000
23	0.0000000	0.000000	100	1.0000
24	0.0000000	0.000000	100	1.0000
25	0.0000000	0.000000	100	1.0000
26	0.0000000	0.000000	100	1.0000
27	0.0000000	0.000000	100	1.0000
28	0.0000000	0.000000	100	1.0000
29	0.0000000	0.000000	100	1.0000
30	0.0000000	0.000000	100	1.0000

CONFIDENCE LEVEL = .99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.0000021	5403.574256	48637.1	1.1.698
4	0.0000361	999.292359	792.7	1.1.405
5	0.001038	299.573095	175.4	1.1.248
6	0.001817	116.810011	78.7	1.1.178
7	0.002574	12.176570	47.7	1.1.139
8	0.003264	9.857409	33.8	1.1.115
9	0.003878	9.570338	26.3	1.1.099
10	0.004419	7.711076	21.8	1.1.087
11	0.004895	7.112881	18.7	1.1.079
12	0.005315	6.674023	16.5	1.1.072
13	0.005681	6.375437	14.7	1.1.066
14	0.006001	6.168765	13.0	1.1.061
15	0.006283	6.016853	11.8	1.1.055
16	0.006527	5.906357	10.9	1.1.048
17	0.006733	5.820159	9.4	1.1.043
18	0.006903	5.753664	8.3	1.1.040
19	0.007041	5.693719	7.7	1.1.037
20	0.007153	5.639795	7.3	1.1.035
25	0.007730	5.433979	6.9	1.1.033
30	0.008176	5.327662	6.7	1.1.032
35	0.008533	5.26919	6.5	1.1.031
40	0.008833	5.228678	6.4	1.1.030
45	0.009094	5.195369	6.3	1.1.029

CONFIDENCE LEVEL = .99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.000314	5625.248302	15905.2	1.1.998
5	0.000513	999.500000	399.0	1.1.405
6	0.000845	289.909666	99.2	1.1.248
7	0.001101	146.160780	46.9	1.1.178
8	0.001323	116.810011	29.2	1.1.139
9	0.001512	99.857409	21.8	1.1.115
10	0.001671	8.016979	18.7	1.1.099
11	0.001817	7.112881	16.5	1.1.091
12	0.001933	6.674023	14.7	1.1.087
13	0.002024	6.375437	13.0	1.1.081
14	0.002133	6.168765	11.8	1.1.079
15	0.002239	6.016853	10.9	1.1.072
16	0.002322	5.906357	9.4	1.1.066
17	0.002392	5.820159	8.3	1.1.061
18	0.002441	5.753664	7.7	1.1.055
19	0.002488	5.693719	7.3	1.1.048
20	0.002527	5.639795	6.9	1.1.043
25	0.002770	5.433979	6.7	1.1.040
30	0.002970	5.327662	6.5	1.1.037
35	0.003088	5.26919	6.4	1.1.035
40	0.003165	5.228678	6.3	1.1.033
45	0.003213	5.195369	6.2	1.1.032
50	0.003243	5.168765	6.1	1.1.031
55	0.003267	5.143397	6.0	1.1.030
60	0.003286	5.119536	5.9	1.1.029

CONFIDENCE LEVEL = .99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.001188	5764.701727	10956.7	1.998
12	0.006517	999.625794	306.7	1.402
13	0.012640	288.430337	79.9	1.243
14	0.018166	155.737816	38.8	1.170
15	0.022876	111.170038	24.2	1.130
16	0.026841	88.941426	17.5	1.085
17	0.030186	76.51058	13.8	1.088
18	0.033302	68.18947	11.4	1.076
19	0.035455	66.241415	9.9	1.067
20	0.037561	55.818710	8.7	1.060
21	0.040999	55.243601	7.3	1.049
22	0.043685	48.71966	6.3	1.043
23	0.045837	46.12700	5.7	1.038
24	0.047597	44.421794	5.2	1.034
25	0.049062	44.275479	4.6	1.031
26	0.051333	44.025677	4.3	1.026
27	0.053783	33.868299	4.0	1.023
28	0.055225	33.760133	3.7	1.011
29	0.056551	33.693443	3.6	1.009
30	0.057219	33.627172	3.4	1.008
35	0.057936	33.557308	3.3	1.007
40	0.058530	33.535753	3.2	1.007
50	0.059031	33.504306	3.1	1.006

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.002537	5860.201334	3910.9	1.998
12	0.011443	999.699495	1272.6	1.403
13	0.020743	338.174197	722.7	1.243
14	0.028792	200.436334	335.4	1.170
15	0.035567	148.835332	233.3	1.130
16	0.041221	108.660578	166.1	1.085
17	0.045969	87.333471	122.7	1.088
18	0.049990	66.563450	99.0	1.076
19	0.053429	55.990740	89.0	1.067
20	0.056339	55.572004	80.0	1.060
21	0.062334	55.002599	66.6	1.049
22	0.065048	44.634827	60.7	1.043
23	0.068089	44.378332	55.2	1.038
24	0.070577	44.189302	44.7	1.034
25	0.072630	44.044795	44.4	1.031
26	0.076577	33.797762	33.9	1.026
27	0.079341	33.642137	33.5	1.023
28	0.081391	33.535175	33.3	1.011
29	0.082971	33.457162	33.2	1.009
30	0.083422	33.397426	33.0	1.008
35	0.085248	33.351014	32.9	1.007
40	0.086094	33.313279	32.8	1.007
50	0.086807	33.282177	32.8	1.006

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.004232	0.835225	8015.0	0.998
1	0.016570	0.743487	258.5	0.403
3	0.028740	0.794368	69.8	0.244
4	0.039149	0.720978	34.0	0.171
5	0.047812	0.671147	21.5	0.130
6	0.055019	0.646475	15.5	0.104
7	0.061082	0.619033	12.5	0.087
8	0.066181	0.636987	10.0	0.074
9	0.070352	0.801105	8.7	0.063
10	0.074346	0.538516	7.6	0.057
11	0.080544	0.481974	6.6	0.047
12	0.085333	0.454526	5.8	0.039
13	0.089237	0.420001	4.4	0.034
14	0.092479	0.401257	4.4	0.030
15	0.095143	0.385893	4.4	0.027
16	0.097001	0.362370	3.3	0.023
17	0.100376	0.466920	3.3	0.019
18	0.106446	0.362399	3.3	0.017
19	0.108462	0.289523	3.3	0.015
20	0.114414	0.222633	3.3	0.014
21	0.114414	0.180009	2.7	0.013
22	0.114414	0.142613	2.7	0.012
23	0.114414	0.111716	2.6	0.012

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.006115	0.643483	7580.0	0.998
1	0.021532	0.770520	258.5	0.404
3	0.036276	0.763659	69.8	0.244
4	0.046767	0.703318	34.0	0.172
5	0.059123	0.504054	21.5	0.131
6	0.067732	0.304779	15.5	0.103
7	0.074935	0.035388	12.5	0.087
8	0.081078	0.213536	10.0	0.074
9	0.086323	0.563247	8.7	0.064
10	0.090833	0.523353	7.6	0.057
11	0.094309	0.467603	6.6	0.046
12	0.104133	0.312815	5.8	0.039
13	0.108853	0.055518	4.4	0.034
14	0.112717	0.873037	4.4	0.030
15	0.115594	0.730119	4.4	0.027
16	0.122086	0.486088	3.3	0.023
17	0.126433	0.332298	3.3	0.019
18	0.129677	0.226560	3.3	0.017
19	0.132217	0.149415	3.3	0.016
20	0.133476	0.090653	2.7	0.014
21	0.135792	0.044407	2.7	0.013
22	0.137142	0.007064	2.6	0.012
23	0.138231	2.976280	2.5	0.011

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.007937	6024.108796	7365.5	1.999
1	0.026137	99.787589	250.3	1.405
2	0.043176	27.619167	68.3	1.245
3	0.057509	14.891651	33.4	1.172
4	0.069376	10.370051	23.1	1.131
5	0.079245	8.176346	15.2	1.105
6	0.087534	6.910858	11.9	1.087
7	0.094573	6.096814	9.8	1.074
8	0.100612	5.532780	8.4	1.065
9	0.105845	5.120441	7.4	1.057
10	0.114448	4.560030	6.0	1.046
11	0.121219	4.198180	5.2	1.039
12	0.126680	3.943819	4.6	1.033
13	0.131175	3.760005	4.2	1.029
14	0.134939	3.617579	3.9	1.026
15	0.142211	3.374332	3.4	1.021
16	0.147214	3.220986	3.1	1.018
17	0.151018	3.113324	2.9	1.015
18	0.153596	3.038561	2.7	1.014
19	0.156311	2.979926	2.6	1.013
20	0.158235	2.933772	2.5	1.012
25	0.159830	2.896497	2.4	1.011
30	0.161178	2.865765	2.4	1.010

CONFIDENCE LEVEL=.99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.009691	6057.513905	7285.9	1.999
1	0.030363	99.798607	250.4	1.405
2	0.049416	27.500671	68.3	1.246
3	0.065383	14.775712	33.5	1.173
4	0.078599	10.260204	23.1	1.133
5	0.089601	8.070963	15.2	1.106
6	0.098853	6.808575	11.9	1.088
7	0.106723	5.996723	9.8	1.075
8	0.113489	5.434287	8.4	1.065
9	0.119333	5.023140	7.4	1.057
10	0.125033	4.664349	6.0	1.046
11	0.136666	4.103515	5.2	1.039
12	0.142338	3.851327	4.6	1.033
13	0.147939	3.666479	4.2	1.029
14	0.152199	3.524384	3.9	1.026
15	0.160365	3.281637	3.4	1.021
16	0.166180	3.128549	3.1	1.017
17	0.170531	3.023229	2.9	1.015
18	0.173908	2.946349	2.7	1.014
19	0.176605	2.887763	2.6	1.013
20	0.178809	2.841638	2.5	1.012
25	0.180644	2.804331	2.4	1.011
30	0.182194	2.773558	2.4	1.010

CONFIDENCE LEVEL=.99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.0012884	6108.009092	7234.4	1.999
1	0.0037693	99.810601	253.3	1.407
1	0.0060096	27.317994	69.3	1.248
4	0.0078813	14.557160	33.3	1.175
5	0.0094321	10.090877	25.3	1.134
6	0.1072263	7.508310	19.3	1.107
7	0.1181133	6.650503	15.3	1.089
8	0.1337500	5.841848	12.3	1.076
9	0.1535536	5.284169	9.3	1.066
10	0.1742531	4.872232	8.3	1.058
11	0.1954107	4.515663	6.0	1.047
12	0.2163289	3.956159	4.4	1.039
13	0.2370747	3.520496	3.3	1.026
14	0.2582122	3.137875	2.3	1.017
15	0.2799211	2.796468	1.9	1.014
16	0.3046647	2.487824	1.7	1.013
17	0.3208837	2.201337	1.6	1.013
18	0.3381993	1.942701	1.4	1.010
19	0.3544994	1.696514	1.3	1.010
20	0.3717233	1.465919	1.2	1.009
21	0.3891176	1.262640	1.1	1.009

CONFIDENCE LEVEL=.99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.0015625	6144.357078	7299.9	1.999
1	0.0043691	99.815818	257.7	1.407
1	0.0068778	27.318555	70.7	1.248
4	0.0089706	14.566148	33.4	1.176
5	0.0107075	10.096648	25.7	1.135
6	0.1216111	7.533639	19.3	1.108
7	0.1333911	6.653401	15.3	1.090
8	0.1444442	5.727545	12.3	1.077
9	0.1553548	5.168924	9.3	1.067
10	0.1661498	4.760549	8.3	1.059
11	0.1774704	4.420535	6.0	1.047
12	0.1893229	3.984608	4.4	1.039
13	0.2000947	3.596174	3.3	1.026
14	0.2106971	3.241363	2.3	1.017
15	0.2218600	2.927701	1.9	1.014
16	0.2332697	2.646441	1.7	1.013
17	0.2448237	2.399180	1.6	1.013
18	0.2564206	2.169209	1.4	1.010
19	0.2681463	1.958694	1.3	1.010
20	0.2801306	1.754948	1.2	1.009
21	0.2925049	1.551857	1.1	1.009

CONFIDENCE LEVEL=.99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.017958	6171.768967	7400.4	1.1.999
1	0.048656	99.817923	262.3	1.1.408
2	0.075909	27.081249	72.0	1.1.250
3	0.098645	14.365965	35.1	1.1.177
4	0.117552	9.871263	22.0	1.1.136
5	0.133415	7.696911	15.3	1.1.109
6	0.146876	6.444613	11.3	1.1.078
7	0.158429	5.639700	8.0	1.1.067
8	0.168446	5.082146	6.1	1.1.060
9	0.177213	4.674510	5.5	1.1.058
10	0.185182	4.337099	5.2	1.1.056
11	0.191828	4.061376	5.0	1.1.054
12	0.197535	3.835452	4.8	1.1.052
13	0.202503	3.639781	4.6	1.1.050
14	0.206938	3.463904	4.4	1.1.048
15	0.210942	3.306565	4.3	1.1.046
16	0.214617	3.164753	4.2	1.1.044
17	0.217975	3.035084	4.1	1.1.042
18	0.221031	2.916333	4.0	1.1.040
19	0.223801	2.806565	3.9	1.1.038
20	0.226304	2.704310	3.8	1.1.036
21	0.228562	2.608533	3.7	1.1.034
22	0.230597	2.518333	3.6	1.1.032
23	0.232433	2.433261	3.5	1.1.030
24	0.234085		3.4	1.1.028
25	0.235570		3.3	1.1.026
26	0.236915		3.2	1.1.024
27	0.238138		3.1	1.1.022
28	0.239256		3.0	1.1.020
29	0.240285		2.9	1.1.018
30	0.241232		2.8	1.1.016
31	0.242105		2.7	1.1.014
32	0.242911		2.6	1.1.012
33	0.243658		2.5	1.1.010
34	0.244344		2.4	1.1.008
35	0.244978		2.3	1.1.006
36	0.245559		2.2	1.1.004
37	0.246086		2.1	1.1.002
38	0.246559		2.0	1.1.000
39	0.246978		1.9	1.1.000
40	0.247343		1.8	1.1.000
41	0.247654		1.7	1.1.000
42	0.247911		1.6	1.1.000
43	0.248114		1.5	1.1.000
44	0.248263		1.4	1.1.000
45	0.248368		1.3	1.1.000
46	0.248429		1.2	1.1.000
47	0.248446		1.1	1.1.000
48	0.248419		1.0	1.1.000
49	0.248348		0.9	1.1.000
50	0.248233		0.8	1.1.000
51	0.248074		0.7	1.1.000
52	0.247872		0.6	1.1.000
53	0.247627		0.5	1.1.000
54	0.247341		0.4	1.1.000
55	0.246914		0.3	1.1.000
56	0.246347		0.2	1.1.000
57	0.245641		0.1	1.1.000
58	0.244796		0.0	1.1.000
59	0.243822			1.1.000
60	0.242728			1.1.000

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
13	0.011995	6193.177349	7200.9	1.1.999
1	0.052801	99.818315	266.7	1.1.409
2	0.081842	27.000266	73.3	1.1.251
3	0.106083	14.368977	35.7	1.1.178
4	0.126277	9.879604	22.4	1.1.137
5	0.143326	7.624367	15.0	1.1.109
6	0.157706	6.373325	11.3	1.1.078
7	0.169133	5.570070	8.0	1.1.067
8	0.178093	5.013289	6.1	1.1.060
9	0.185047	4.606170	5.5	1.1.058
10	0.190407	4.302241	5.2	1.1.056
11	0.194589	4.052432	5.0	1.1.054
12	0.197814	3.837337	4.8	1.1.052
13	0.200381	3.639562	4.6	1.1.050
14	0.202399	3.461817	4.4	1.1.048
15	0.203999	3.299009	4.3	1.1.046
16	0.205302	3.151318	4.2	1.1.044
17	0.206343	3.017250	4.1	1.1.042
18	0.207143	2.895216	4.0	1.1.040
19	0.207729	2.783321	3.9	1.1.038
20	0.208131	2.680444	3.8	1.1.036
21	0.208379	2.586565	3.7	1.1.034
22	0.208483	2.500009	3.6	1.1.032
23	0.208453	2.421318	3.5	1.1.030
24	0.208299	2.350000	3.4	1.1.028
25	0.208033	2.285762	3.3	1.1.026
26	0.207667	2.228211	3.2	1.1.024
27	0.207213	2.176933	3.1	1.1.022
28	0.206682	2.131333	3.0	1.1.020
29	0.206087	2.090933	2.9	1.1.018
30	0.205441	2.055133	2.8	1.1.016
31	0.204757	2.023333	2.7	1.1.014
32	0.204038	1.995000	2.6	1.1.012
33	0.203287	1.969667	2.5	1.1.010
34	0.202508	1.946833	2.4	1.1.008
35	0.201695	1.926000	2.3	1.1.006
36	0.200852	1.906833	2.2	1.1.004
37	0.200000	1.889000	2.1	1.1.002
38	0.199150	1.872333	2.0	1.1.000
39	0.198305	1.856667	1.9	1.1.000
40	0.197468	1.841933	1.8	1.1.000
41	0.196641	1.828000	1.7	1.1.000
42	0.195825	1.814833	1.6	1.1.000
43	0.195021	1.802333	1.5	1.1.000
44	0.194230	1.790500	1.4	1.1.000
45	0.193453	1.779233	1.3	1.1.000
46	0.192691	1.768433	1.2	1.1.000
47	0.191945	1.758000	1.1	1.1.000
48	0.191216	1.747933	1.0	1.1.000
49	0.190504	1.738233	0.9	1.1.000
50	0.189809	1.728900	0.8	1.1.000
51	0.189132	1.719933	0.7	1.1.000
52	0.188473	1.711333	0.6	1.1.000
53	0.187832	1.703000	0.5	1.1.000
54	0.187209	1.694933	0.4	1.1.000
55	0.186604	1.687133	0.3	1.1.000
56	0.186017	1.679600	0.2	1.1.000
57	0.185448	1.672333	0.1	1.1.000
58	0.184897	1.665333	0.0	1.1.000
59	0.184364	1.658600		1.1.000
60	0.183848	1.652133		1.1.000

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.021648	0.360348	7618.6	1.999
1	0.056303	0.818350	270.9	1.409
2	0.086841	26.934742	74.4	1.251
3	0.112230	14.222919	36.3	1.179
4	0.133339	9.735123	22.7	1.111
5	0.151157	7.565561	16.3	1.069
6	0.166869	6.316386	12.6	1.033
7	0.180031	5.513516	10.3	1.007
8	0.191533	4.957309	8.8	1.006
9	0.201618	4.550563	7.7	1.051
10	0.211852	3.997200	6.2	1.045
11	0.222329	3.639209	5.3	1.035
12	0.233277	3.388976	4.6	1.030
13	0.244333	3.204298	4.2	1.027
14	0.255278	3.062414	3.8	1.021
15	0.266079	2.819207	3.3	1.017
16	0.276441	2.665122	2.9	1.014
17	0.287338	2.558699	2.7	1.012
18	0.296533	2.480732	2.5	1.011
19	0.303393	2.421182	2.3	1.009
20	0.311733	2.374165	2.2	1.008
21	0.317333	2.336105	2.1	1.008
22	0.320662	2.304661	2.1	1.008

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.024978	0.412092	7865.0	2.000
1	0.063035	99.816574	279.7	1.410
2	0.096430	26.815167	76.8	1.252
3	0.124379	14.106135	37.4	1.181
4	0.147789	9.623798	23.4	1.139
5	0.167537	7.457953	16.8	1.103
6	0.184533	6.211133	13.0	1.081
7	0.199335	5.409748	10.6	1.062
8	0.212071	4.854464	9.0	1.047
9	0.223395	4.448273	7.9	1.035
10	0.242478	3.895366	6.4	1.020
11	0.257937	3.537353	5.4	1.006
12	0.270782	3.286866	4.7	1.003
13	0.281592	3.101819	4.3	1.001
14	0.290835	2.959514	3.9	1.000
15	0.300900	2.715214	3.5	1.000
16	0.322337	2.560109	3.2	1.000
17	0.332668	2.452782	2.9	1.000
18	0.340823	2.374045	2.7	1.000
19	0.347432	2.313787	2.5	1.000
20	0.352930	2.266166	2.3	1.000
21	0.357585	2.227575	2.2	1.000
22	0.361546	2.195661	2.1	1.000

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.027391	0.00733	8068.1	2.000
4	0.067838	0.014620	296.7	1.411
5	0.103258	0.027123	78.7	1.254
6	0.133295	0.048375	38.3	1.182
7	0.157898	0.078493	24.0	1.141
8	0.179071	0.113960	17.2	1.114
9	0.197255	0.153391	13.3	1.096
10	0.213046	0.197843	10.9	1.082
11	0.226895	0.246743	9.2	1.072
12	0.239148	0.298432	8.0	1.063
13	0.250882	0.353115	7.1	1.055
14	0.262136	0.409605	6.4	1.048
15	0.272908	0.467433	5.8	1.043
16	0.283199	0.525841	5.3	1.037
17	0.292998	0.583841	4.9	1.032
18	0.302311	0.641399	4.5	1.027
19	0.311139	0.698574	4.2	1.022
20	0.319481	0.755317	4.0	1.017
21	0.327337	0.811411	3.8	1.012
22	0.334707	0.866841	3.6	1.009
23	0.341591	0.921573	3.4	1.006
24	0.347989	0.975573	3.3	1.003
25	0.353899	1.028773	3.1	1.000
26	0.359326	1.081113	3.0	1.000

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.029213	0.00933	8234.3	2.000
4	0.071418	0.016220	292.4	1.411
5	0.108336	0.027123	78.7	1.254
6	0.145546	0.048375	38.3	1.182
7	0.183777	0.078493	24.0	1.141
8	0.220679	0.113960	17.2	1.114
9	0.256344	0.153391	13.3	1.096
10	0.290799	0.197843	10.9	1.082
11	0.323807	0.246743	9.2	1.072
12	0.355105	0.298432	8.0	1.063
13	0.384333	0.353115	7.1	1.055
14	0.411117	0.409605	6.4	1.048
15	0.435974	0.467433	5.8	1.043
16	0.458498	0.525841	5.3	1.037
17	0.478180	0.583841	4.9	1.032
18	0.495535	0.641399	4.5	1.027
19	0.511188	0.698574	4.2	1.022
20	0.525541	0.755317	4.0	1.017
21	0.538818	0.811411	3.8	1.012
22	0.551139	0.866841	3.6	1.009
23	0.562507	0.921573	3.4	1.006
24	0.572932	0.975573	3.3	1.003
25	0.582415	1.028773	3.1	1.000
26	0.590957	1.081113	3.0	1.000

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.030633	6288.284367	8370.7	2.000
1	0.074208	99.811069	296.8	1.412
2	0.112304	26.631961	81.4	1.255
3	0.144331	13.927062	39.7	1.193
4	0.171340	9.452729	24.8	1.142
5	0.194365	7.292191	17.7	1.116
6	0.214228	6.048601	13.8	1.097
7	0.231553	5.249107	11.3	1.084
8	0.246812	4.694865	9.5	1.073
9	0.260368	4.289165	8.3	1.065
10	0.272343	3.936261	7.6	1.053
11	0.283343	3.637558	6.7	1.044
12	0.293833	3.377558	5.0	1.038
13	0.302557	3.126062	4.5	1.033
14	0.311776	2.898699	4.1	1.029
15	0.320445	2.796373	3.4	1.022
16	0.326671	2.549168	3.0	1.018
17	0.331577	2.391438	2.7	1.015
18	0.334344	2.281805	2.5	1.013
19	0.336671	2.201054	2.4	1.010
20	0.338415	2.139031	2.3	1.009
25	0.397763	2.089859	2.2	1.008
30	0.408691	2.049894	2.1	1.008
40	0.417674	2.016757	2.1	1.008
50	0.425194			
55	0.431585			
60	0.437088			

CONFIDENCE LEVEL=.99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.031771	6297.002951	8484.4	2.000
1	0.076424	99.809656	300.6	1.412
2	0.115448	26.597540	92.4	1.255
3	0.148291	13.893391	40.2	1.193
4	0.176027	9.420507	25.1	1.142
5	0.199709	7.260908	18.0	1.116
6	0.220172	6.017867	13.9	1.098
7	0.238047	5.218670	11.4	1.084
8	0.253815	4.664566	9.7	1.074
9	0.267845	4.258902	8.4	1.065
10	0.281770	3.905887	7.6	1.053
11	0.291147	3.646947	6.8	1.045
12	0.301118	3.395157	5.0	1.038
13	0.312143	3.108649	4.5	1.033
14	0.324361	2.764834	4.1	1.029
15	0.337880	2.516862	3.5	1.022
16	0.352004	2.335841	3.0	1.018
17	0.367150	2.248199	2.7	1.015
18	0.383215	2.166911	2.6	1.013
19	0.400278	2.104414	2.4	1.011
20	0.418807	2.054821	2.3	1.010
25	0.447645	2.014482	2.2	1.009
30	0.453542	1.981010	2.1	1.008

CONFIDENCE LEVEL=.99
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.0322701	03.586479	8579.7	2.000
1	0.0782330	99.808447	303.7	1.412
2	0.118011	26.569896	83.3	1.256
3	0.151521	13.866339	40.6	1.134
4	0.179853	9.394606	22.4	1.117
5	0.204076	7.235749	11.8	1.114
6	0.223303	5.593133	6.4	1.111
7	0.243365	4.194161	4.1	1.108
8	0.259556	3.640153	3.1	1.105
9	0.273980	3.234502	2.8	1.107
10	0.286620	3.001370	2.5	1.106
11	0.318955	3.322210	2.8	1.104
12	0.336071	3.070156	2.5	1.105
13	0.353079	3.03367	2.4	1.103
14	0.363394	2.739269	2.4	1.100
15	0.388838	2.490618	2.3	1.103
16	0.408068	2.331584	2.3	1.101
17	0.423167	2.230799	2.2	1.106
18	0.433566	2.139031	2.2	1.103
19	0.445443	2.076109	2.2	1.103
20	0.453391	2.026128	2.2	1.100
21	0.461151	1.985461	2.2	1.100
22	0.467400	1.951684	2.2	1.100

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.033476	309.705964	8661.5	2.000
1	0.079730	99.807408	306.5	1.412
2	0.120140	26.547206	84.0	1.256
3	0.153420	13.844132	40.9	1.134
4	0.183003	9.373334	22.5	1.117
5	0.207711	7.215074	11.8	1.114
6	0.229084	5.572799	6.4	1.111
7	0.247795	4.174001	4.1	1.108
8	0.264347	3.620062	3.1	1.105
9	0.279104	3.214419	2.8	1.107
10	0.304335	3.066116	2.5	1.106
11	0.325225	3.001802	2.8	1.104
12	0.342827	3.049512	2.5	1.105
13	0.357906	2.862473	2.4	1.103
14	0.370993	2.718123	2.4	1.100
15	0.3973007	2.468869	2.3	1.103
16	0.4172557	2.309290	2.3	1.101
17	0.432965	2.198019	2.2	1.106
18	0.445686	2.115821	2.2	1.103
19	0.456217	2.052317	2.2	1.103
20	0.465091	2.002204	2.2	1.100
21	0.472677	1.961220	2.2	1.100
22	0.479241	1.927166	2.2	1.100

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.034131	4.476115	8732.6	2.000
61	0.080995	99.8065508	308.6	1.412
62	0.121933	26.528250	84.6	1.256
63	0.156470	13.825574	41.3	1.185
64	0.185722	9.355551	25.8	1.144
65	0.210763	7.197785	18.5	1.118
66	0.232509	5.955786	14.3	1.099
67	0.251552	5.157126	11.7	1.085
68	0.268405	4.603238	9.9	1.075
69	0.283447	4.197582	8.7	1.067
70	0.309215	3.644219	7.0	1.054
71	0.330535	3.284677	5.9	1.046
72	0.348576	3.032175	5.2	1.039
73	0.364037	2.844913	4.6	1.035
74	0.377474	2.700338	4.2	1.031
75	0.404548	2.450546	3.5	1.024
76	0.425132	2.290479	3.1	1.019
77	0.441377	2.178772	2.8	1.016
78	0.454562	2.096188	2.6	1.014
79	0.465499	2.032538	2.4	1.012
80	0.474729	1.981916	2.3	1.011
81	0.482633	1.940652	2.2	1.009
82	0.489481	1.906347	2.1	1.009

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

1 DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.000000	0.722370	*	2.0000
2	0.000000	0.550122	*	1.4177
3	0.000000	0.455957	*	1.2669
4	0.000000	0.393277	*	1.2007
5	0.000000	0.347817	*	1.1733
6	0.000000	0.313496	*	1.1555
7	0.000000	0.288819	*	1.1390
8	0.000000	0.269360	*	1.1230
9	0.000000	0.251470	*	1.1077
10	0.000000	0.235330	*	1.0930
11	0.000000	0.220609	*	1.0787
12	0.000000	0.207025	*	1.0644
13	0.000000	0.194397	*	1.0500
14	0.000000	0.182635	*	1.0355
15	0.000000	0.171677	*	1.0211
16	0.000000	0.161395	*	1.0066
17	0.000000	0.151711	*	0.9924
18	0.000000	0.142558	*	0.9783
19	0.000000	0.133837	*	0.9643
20	0.000000	0.125536	*	0.9503
21	0.000000	0.117617	*	0.9363
22	0.000000	0.110031	*	0.9223
23	0.000000	0.102739	*	0.9083
24	0.000000	0.095701	*	0.8943
25	0.000000	0.088888	*	0.8803
26	0.000000	0.082271	*	0.8663
27	0.000000	0.075921	*	0.8523
28	0.000000	0.069811	*	0.8383
29	0.000000	0.063914	*	0.8243
30	0.000000	0.058304	*	0.8103
31	0.000000	0.052956	*	0.7963
32	0.000000	0.047846	*	0.7823

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

2 DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.000000	0.499996	*	2.0000
3	0.000000	0.400479	4.73532	1.4177
4	0.000000	0.306583	4.68115	1.2669
5	0.000000	0.229334	4.52240	1.2007
6	0.000000	0.162481	4.35778	1.1733
7	0.000000	0.103649	4.17117	1.1555
8	0.000000	0.051542	3.93341	1.1390
9	0.000000	0.005700	3.62576	1.1230
10	0.000000	0.122169	3.20096	1.1077
11	0.000000	0.442367	2.77777	1.0930
12	0.000000	0.527040	2.38557	1.0787
13	0.000000	0.599992	2.00000	1.0644
14	0.000000	0.632225	1.63557	1.0500
15	0.000000	0.623452	1.30000	1.0355
16	0.000000	0.566888	0.93333	1.0211
17	0.000000	0.493381	0.71111	1.0066
18	0.000000	0.345433	0.64777	0.9924
19	0.000000	0.210191	0.60000	0.9783
20	0.000000	0.089158	0.56666	0.9643
21	0.000000	0.997466	0.43333	0.9503
22	0.000000	0.924893	0.32222	0.9363
23	0.000000	0.866619	0.21111	0.9223
24	0.000000	0.818639	0.10000	0.9083

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.000005	21614.963419	194551.5	1.999
4	0.000128	199.272973	1879.1	1.409
5	0.000416	47.360806	346.6	1.253
6	0.000778	24.250458	44.1	1.187
7	0.001150	16.621237	80.4	1.142
8	0.001502	13.008806	54.6	1.108
9	0.001825	10.975504	44.2	1.080
10	0.002116	9.690348	33.3	1.090
11	0.002377	8.811663	28.0	1.081
12	0.002610	8.176003	24.4	1.074
13	0.002807	7.522087	19.8	1.064
14	0.003329	6.777497	17.0	1.057
15	0.003594	6.401174	15.1	1.053
16	0.003816	6.126072	13.8	1.049
17	0.004004	5.916425	12.8	1.046
18	0.004356	5.561009	11.3	1.041
19	0.004626	5.338797	10.3	1.038
20	0.004831	5.186970	9.6	1.036
25	0.004973	5.076488	9.1	1.034
30	0.005095	4.992684	8.8	1.033
35	0.005193	4.926899	8.6	1.033
40	0.005278	4.873393	8.4	1.031
45	0.005348	4.830275	8.3	1.031

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.000128	22500.420349	53762.4	1.999
5	0.000416	199.272973	799.0	1.407
6	0.000778	46.360806	63.6	1.248
7	0.001150	24.250458	73.6	1.186
8	0.001502	16.621237	43.0	1.141
9	0.001825	13.008806	33.2	1.104
10	0.002116	10.975504	28.0	1.082
11	0.002377	9.690348	24.4	1.072
12	0.002610	8.811663	19.8	1.063
13	0.002807	8.176003	17.0	1.055
14	0.003329	7.522087	15.1	1.048
15	0.003594	6.777497	13.8	1.043
16	0.003816	6.401174	12.8	1.040
17	0.004004	6.126072	11.3	1.037
18	0.004356	5.916425	10.3	1.032
19	0.004626	5.561009	9.6	1.029
20	0.004831	5.338797	9.1	1.026
25	0.004973	5.076488	8.8	1.023
30	0.005095	4.992684	8.6	1.023
35	0.005193	4.926899	8.4	1.023
40	0.005278	4.873393	8.3	1.021
45	0.005348	4.830275	8.2	1.021

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0000592	23057.279255	31.322.3	1.999
10	0.0007838	199.652546	31.566.7	1.406
15	0.0016997	149.633677	31.227.5	1.247
20	0.0031697	122.663555	31.56.9	1.174
25	0.005029	101.130555	31.34.1	1.133
30	0.0078366	84.645494	31.23.8	1.108
35	0.0120329	71.697981	31.18.3	1.090
40	0.0178366	61.473611	31.14.9	1.078
45	0.0242377	53.9916	31.11.6	1.069
50	0.0315813	47.7.03875	31.9.0	1.061
55	0.0398411	42.234033	31.7.7	1.051
60	0.048411	37.722701	31.6.6	1.044
65	0.0572105	33.70288	31.5.3	1.039
70	0.0662422	30.113773	31.4.4	1.035
75	0.0754599	27.586471	31.3.3	1.032
80	0.0848261	25.379883	31.2.4	1.027
85	0.0943990	23.388288	31.1.6	1.023
90	0.1040262	21.59436	31.0.1	1.020
95	0.1137334	19.978749	31.0.0	1.019
100	0.1234588	18.597800	31.0.0	1.018
105	0.1331936	17.38709	31.0.0	1.017
110	0.1429331	16.3327	31.0.0	1.017

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.001472	23439.084185	23.763.6	1.999
11	0.007421	199.746974	43.33.6	1.406
16	0.014033	149.633677	43.56.9	1.247
21	0.0214033	122.663555	43.34.1	1.174
26	0.029448	101.130555	43.23.8	1.133
31	0.038211	84.645494	43.18.3	1.108
36	0.0478366	71.697981	43.14.9	1.090
41	0.058261	61.473611	43.11.6	1.078
46	0.0693990	53.9916	43.09.0	1.069
51	0.0811377	47.7.03875	43.9.0	1.061
56	0.0934599	42.234033	43.7.7	1.051
61	0.1062422	37.70288	43.6.6	1.044
66	0.1194588	33.70288	43.5.3	1.039
71	0.1331936	30.113773	43.4.4	1.035
76	0.1474599	27.586471	43.3.3	1.032
81	0.1621936	25.379883	43.2.4	1.027
86	0.1774334	23.388288	43.1.6	1.023
91	0.1931936	21.59436	43.0.1	1.020
96	0.2094588	19.978749	43.0.0	1.019
101	0.2262422	18.597800	43.0.0	1.018
106	0.2434588	17.38709	43.0.0	1.017
111	0.2611936	16.3327	43.0.0	1.017

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.002664	23716.874344	20349.8	1.999
8	0.011435	199.804905	446.3	1.407
9	0.020578	44.720608	105.2	1.247
10	0.029604	21.857858	47.8	1.174
11	0.035399	14.413047	38.8	1.133
12	0.041123	10.984951	30.0	1.066
13	0.045668	9.075570	25.0	1.089
14	0.050102	7.878047	20.0	1.076
15	0.053661	7.064095	15.0	1.066
16	0.056730	6.477975	11.0	1.059
17	0.061837	5.694538	9.0	1.048
18	0.065843	5.197440	7.0	1.040
19	0.069907	4.855167	6.0	1.035
20	0.071729	4.605618	5.0	1.031
21	0.073393	4.415826	4.0	1.028
22	0.078182	4.094831	3.0	1.023
23	0.081178	3.894627	2.0	1.020
24	0.083400	3.757960	1.0	1.017
25	0.085136	3.658770	0.5	1.016
26	0.086500	3.583521	0.2	1.015
27	0.087630	3.524487	0.1	1.014
28	0.088560	3.476941	0.0	1.013
29	0.089345	3.437829	0.0	1.012

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.004032	23927.932342	18938.4	1.999
9	0.011550	199.840875	438.6	1.407
10	0.026965	44.418560	102.5	1.248
11	0.036834	21.591221	46.5	1.174
12	0.045233	14.750000	38.0	1.133
13	0.052231	10.765247	30.0	1.067
14	0.058190	9.858069	25.0	1.089
15	0.063238	7.679083	20.0	1.076
16	0.067633	6.871372	15.0	1.066
17	0.071447	6.289978	11.0	1.058
18	0.077642	5.513169	9.0	1.047
19	0.082608	5.020435	7.0	1.040
20	0.086595	4.681272	6.0	1.034
21	0.089930	4.434005	5.0	1.030
22	0.092633	4.245952	4.0	1.027
23	0.097885	3.927938	3.0	1.022
24	0.101615	3.729584	2.0	1.019
25	0.104399	3.564172	1.0	1.016
26	0.106555	3.495987	0.5	1.015
27	0.108273	3.421330	0.2	1.014
28	0.109677	3.362816	0.1	1.013
29	0.111084	3.315695	0.0	1.012
30	0.111828	3.276931	0.0	1.011

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

9 DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0003468	0.668129	18088.7	0.6900
2	0.0019429	0.863351	421.00	0.4000
3	0.0032933	0.977384	100.80	0.2400
4	0.0044637	0.993475	46.00	0.1355
5	0.0054374	0.998944	27.7	0.0800
6	0.0062576	0.999525	19.4	0.0500
7	0.0069556	0.999844	14.8	0.0376
8	0.0075450	0.999925	11.0	0.0266
9	0.0080566	0.999955	8.8	0.0188
10	0.0085017	0.999977	7.7	0.0140
11	0.0088937	0.999988	6.0	0.0100
12	0.0092337	0.999993	5.0	0.0070
13	0.0095289	0.999996	4.4	0.0050
14	0.0097831	0.999998	4.0	0.0037
15	0.0100000	0.999999	3.8	0.0028
16	0.0101836	0.999999	3.6	0.0021
17	0.0103373	0.999999	3.4	0.0016
18	0.0104662	0.999999	3.3	0.0012
19	0.0105736	0.999999	3.2	0.0009
20	0.0106640	0.999999	3.1	0.0007
21	0.0107403	0.999999	3.0	0.0005
22	0.0108057	0.999999	2.9	0.0004
23	0.0108637	0.999999	2.8	0.0003
24	0.0109150	0.999999	2.7	0.0002
25	0.0109611	0.999999	2.6	0.0001
26	0.0110025	0.999999	2.5	0.0001
27	0.0110397	0.999999	2.4	0.0000
28	0.0110732	0.999999	2.3	0.0000
29	0.0111035	0.999999	2.2	0.0000
30	0.0111311	0.999999	2.1	0.0000
31	0.0111564	0.999999	2.0	0.0000
32	0.0111797	0.999999	1.9	0.0000
33	0.0112014	0.999999	1.8	0.0000
34	0.0112218	0.999999	1.7	0.0000
35	0.0112409	0.999999	1.6	0.0000
36	0.0112581	0.999999	1.5	0.0000
37	0.0112736	0.999999	1.4	0.0000
38	0.0112876	0.999999	1.3	0.0000
39	0.0113003	0.999999	1.2	0.0000
40	0.0113118	0.999999	1.1	0.0000
41	0.0113224	0.999999	1.0	0.0000
42	0.0113321	0.999999	0.9	0.0000
43	0.0113410	0.999999	0.8	0.0000
44	0.0113491	0.999999	0.7	0.0000
45	0.0113565	0.999999	0.6	0.0000
46	0.0113632	0.999999	0.5	0.0000
47	0.0113693	0.999999	0.4	0.0000
48	0.0113748	0.999999	0.3	0.0000
49	0.0113798	0.999999	0.2	0.0000
50	0.0113843	0.999999	0.1	0.0000

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

10 DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0006901	0.2227504	176229.5	0.6900
2	0.0023314	0.878014	42.80	0.4000
3	0.0038544	0.933051	10.5	0.2400
4	0.0051772	0.964450	4.5	0.1355
5	0.0062576	0.979914	2.7	0.0800
6	0.0070989	0.986636	1.9	0.0500
7	0.0077086	0.989673	1.4	0.0376
8	0.0081242	0.990733	1.0	0.0266
9	0.0083877	0.991439	0.8	0.0188
10	0.0085582	0.991871	0.7	0.0140
11	0.0086531	0.992144	0.6	0.0100
12	0.0086937	0.992355	0.5	0.0070
13	0.0087091	0.992500	0.4	0.0050
14	0.0087198	0.992597	0.3	0.0037
15	0.0087261	0.992668	0.2	0.0028
16	0.0087293	0.992714	0.1	0.0021
17	0.0087307	0.992744	0.1	0.0016
18	0.0087314	0.992761	0.1	0.0012
19	0.0087316	0.992769	0.1	0.0009
20	0.0087317	0.992770	0.1	0.0007
21	0.0087317	0.992771	0.1	0.0005
22	0.0087317	0.992771	0.1	0.0004
23	0.0087317	0.992771	0.1	0.0003
24	0.0087317	0.992771	0.1	0.0002
25	0.0087317	0.992771	0.1	0.0001
26	0.0087317	0.992771	0.1	0.0000
27	0.0087317	0.992771	0.1	0.0000
28	0.0087317	0.992771	0.1	0.0000
29	0.0087317	0.992771	0.1	0.0000
30	0.0087317	0.992771	0.1	0.0000
31	0.0087317	0.992771	0.1	0.0000
32	0.0087317	0.992771	0.1	0.0000
33	0.0087317	0.992771	0.1	0.0000
34	0.0087317	0.992771	0.1	0.0000
35	0.0087317	0.992771	0.1	0.0000
36	0.0087317	0.992771	0.1	0.0000
37	0.0087317	0.992771	0.1	0.0000
38	0.0087317	0.992771	0.1	0.0000
39	0.0087317	0.992771	0.1	0.0000
40	0.0087317	0.992771	0.1	0.0000
41	0.0087317	0.992771	0.1	0.0000
42	0.0087317	0.992771	0.1	0.0000
43	0.0087317	0.992771	0.1	0.0000
44	0.0087317	0.992771	0.1	0.0000
45	0.0087317	0.992771	0.1	0.0000
46	0.0087317	0.992771	0.1	0.0000
47	0.0087317	0.992771	0.1	0.0000
48	0.0087317	0.992771	0.1	0.0000
49	0.0087317	0.992771	0.1	0.0000
50	0.0087317	0.992771	0.1	0.0000

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.009662	0.191539	17294.1	2.0000
13	0.029663	0.893152	4194.3	2.4009
14	0.048276	0.677685	101.2	2.5000
15	0.064072	0.937381	46.2	2.7777
16	0.077313	0.589999	27.8	2.8335
17	0.088462	0.223997	19.4	2.9090
18	0.097936	0.353666	14.8	2.9677
19	0.106065	0.186676	11.9	3.0000
20	0.111310	0.334288	10.0	3.0677
21	0.114926	0.822896	8.7	3.0590
22	0.117294	0.573007	7.7	3.0477
23	0.118442	0.243594	7.0	3.0400
24	0.119498	0.003179	6.4	3.0300
25	0.120454	0.818779	5.9	3.0266
26	0.121310	0.550673	5.6	3.0277
27	0.122090	0.311174	5.2	3.0177
28	0.122785	0.082233	5.0	3.0155
29	0.123310	0.003884	4.8	3.0132
30	0.123740	0.951224	4.6	3.0110
31	0.124093	0.504332	4.4	3.0099
32	0.124372	0.366613		

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.031202	24574.606753	17306.0	2.0000
15	0.033517	199.899103	424.7	2.4009
16	0.037433	49.456321	102.7	2.5000
17	0.042939	0.743934	46.8	2.7777
18	0.049935	0.414471	28.2	2.8335
19	0.058205	0.061390	19.9	2.9090
20	0.067888	0.204331	14.9	2.9677
21	0.078994	0.033382	12.1	3.0000
22	0.091338	0.248776	10.8	3.0677
23	0.104922	0.681222	9.8	3.0590
24	0.119587	0.923413	9.0	3.0477
25	0.135646	0.442395	8.4	3.0400
26	0.153293	0.112096	7.9	3.0300
27	0.172406	0.870835	7.4	3.0266
28	0.192906	0.687263	7.0	3.0277
29	0.215665	0.376498	6.6	3.0177
30	0.240245	0.182379	6.2	3.0155
31	0.266995	0.049673	5.9	3.0132
32	0.295064	0.953234	5.7	3.0110
33	0.324136	0.679987	5.6	3.0099
34	0.354642	0.822465	5.4	
35	0.386349	0.776096	5.3	
36	0.419277	2.737922		

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.0014134	24684	17463	2.000
0.0000000	0.0039777	199	431	2.410
0.0000000	0.0063087	43	104	2.532
0.0000000	0.0082797	100	47	2.709
0.0000000	0.0099363	199	222	2.937
0.0000000	0.0113333	399	99	3.111
0.0000000	0.0125333	599	59	3.292
0.0000000	0.0135682	799	39	3.479
0.0000000	0.0144633	999	29	3.660
0.0000000	0.0152333	1199	19	3.837
0.0000000	0.0159333	1399	14	4.000
0.0000000	0.0165633	1599	10	4.150
0.0000000	0.0171333	1799	7	4.290
0.0000000	0.0176333	1999	5	4.420
0.0000000	0.0180633	2199	4	4.540
0.0000000	0.0184333	2399	3	4.650
0.0000000	0.0187333	2599	2	4.750
0.0000000	0.0190333	2799	1	4.840
0.0000000	0.0192633	2999	1	4.920
0.0000000	0.0194333	3199	1	5.000
0.0000000	0.0195633	3399	1	5.070
0.0000000	0.0196333	3599	1	5.140
0.0000000	0.0196633	3799	1	5.200
0.0000000	0.0196333	3999	1	5.250
0.0000000	0.0195633	4199	1	5.300
0.0000000	0.0194333	4399	1	5.340
0.0000000	0.0192633	4599	1	5.380
0.0000000	0.0190333	4799	1	5.420
0.0000000	0.0187333	4999	1	5.460
0.0000000	0.0184333	5199	1	5.500
0.0000000	0.0180633	5399	1	5.540
0.0000000	0.0176333	5599	1	5.580
0.0000000	0.0171333	5799	1	5.620
0.0000000	0.0165633	5999	1	5.660
0.0000000	0.0159333	6199	1	5.700
0.0000000	0.0152333	6399	1	5.740
0.0000000	0.0144633	6599	1	5.780
0.0000000	0.0135682	6799	1	5.820
0.0000000	0.0125333	6999	1	5.860
0.0000000	0.0113333	7199	1	5.900
0.0000000	0.0100000	7399	1	5.940
0.0000000	0.0082797	7599	1	5.980
0.0000000	0.0063087	7799	1	6.020
0.0000000	0.0039777	7999	1	6.060
0.0000000	0.0014134	8199	1	6.100
0.0000000	0.0000000	8399	1	6.140
0.0000000	0.0000000	8599	1	6.180
0.0000000	0.0000000	8799	1	6.220
0.0000000	0.0000000	8999	1	6.260
0.0000000	0.0000000	9199	1	6.300
0.0000000	0.0000000	9399	1	6.340
0.0000000	0.0000000	9599	1	6.380
0.0000000	0.0000000	9799	1	6.420
0.0000000	0.0000000	9999	1	6.460
0.0000000	0.0000000	10199	1	6.500
0.0000000	0.0000000	10399	1	6.540
0.0000000	0.0000000	10599	1	6.580
0.0000000	0.0000000	10799	1	6.620
0.0000000	0.0000000	10999	1	6.660
0.0000000	0.0000000	11199	1	6.700
0.0000000	0.0000000	11399	1	6.740
0.0000000	0.0000000	11599	1	6.780
0.0000000	0.0000000	11799	1	6.820
0.0000000	0.0000000	11999	1	6.860
0.0000000	0.0000000	12199	1	6.900
0.0000000	0.0000000	12399	1	6.940
0.0000000	0.0000000	12599	1	6.980
0.0000000	0.0000000	12799	1	7.020
0.0000000	0.0000000	12999	1	7.060
0.0000000	0.0000000	13199	1	7.100
0.0000000	0.0000000	13399	1	7.140
0.0000000	0.0000000	13599	1	7.180
0.0000000	0.0000000	13799	1	7.220
0.0000000	0.0000000	13999	1	7.260
0.0000000	0.0000000	14199	1	7.300
0.0000000	0.0000000	14399	1	7.340
0.0000000	0.0000000	14599	1	7.380
0.0000000	0.0000000	14799	1	7.420
0.0000000	0.0000000	14999	1	7.460
0.0000000	0.0000000	15199	1	7.500
0.0000000	0.0000000	15399	1	7.540
0.0000000	0.0000000	15599	1	7.580
0.0000000	0.0000000	15799	1	7.620
0.0000000	0.0000000	15999	1	7.660
0.0000000	0.0000000	16199	1	7.700
0.0000000	0.0000000	16399	1	7.740
0.0000000	0.0000000	16599	1	7.780
0.0000000	0.0000000	16799	1	7.820
0.0000000	0.0000000	16999	1	7.860
0.0000000	0.0000000	17199	1	7.900
0.0000000	0.0000000	17399	1	7.940
0.0000000	0.0000000	17599	1	7.980
0.0000000	0.0000000	17799	1	8.020
0.0000000	0.0000000	17999	1	8.060
0.0000000	0.0000000	18199	1	8.100
0.0000000	0.0000000	18399	1	8.140
0.0000000	0.0000000	18599	1	8.180
0.0000000	0.0000000	18799	1	8.220
0.0000000	0.0000000	18999	1	8.260
0.0000000	0.0000000	19199	1	8.300
0.0000000	0.0000000	19399	1	8.340
0.0000000	0.0000000	19599	1	8.380
0.0000000	0.0000000	19799	1	8.420
0.0000000	0.0000000	19999	1	8.460
0.0000000	0.0000000	20199	1	8.500
0.0000000	0.0000000	20399	1	8.540
0.0000000	0.0000000	20599	1	8.580
0.0000000	0.0000000	20799	1	8.620
0.0000000	0.0000000	20999	1	8.660
0.0000000	0.0000000	21199	1	8.700
0.0000000	0.0000000	21399	1	8.740
0.0000000	0.0000000	21599	1	8.780
0.0000000	0.0000000	21799	1	8.820
0.0000000	0.0000000	21999	1	8.860
0.0000000	0.0000000	22199	1	8.900
0.0000000	0.0000000	22399	1	8.940
0.0000000	0.0000000	22599	1	8.980
0.0000000	0.0000000	22799	1	9.020
0.0000000	0.0000000	22999	1	9.060
0.0000000	0.0000000	23199	1	9.100
0.0000000	0.0000000	23399	1	9.140
0.0000000	0.0000000	23599	1	9.180
0.0000000	0.0000000	23799	1	9.220
0.0000000	0.0000000	23999	1	9.260
0.0000000	0.0000000	24199	1	9.300
0.0000000	0.0000000	24399	1	9.340
0.0000000	0.0000000	24599	1	9.380
0.0000000	0.0000000	24799	1	9.420
0.0000000	0.0000000	24999	1	9.460
0.0000000	0.0000000	25199	1	9.500
0.0000000	0.0000000	25399	1	9.540
0.0000000	0.0000000	25599	1	9.580
0.0000000	0.0000000	25799	1	9.620
0.0000000	0.0000000	25999	1	9.660
0.0000000	0.0000000	26199	1	9.700
0.0000000	0.0000000	26399	1	9.740
0.0000000	0.0000000	26599	1	9.780
0.0000000	0.0000000	26799	1	9.820
0.0000000	0.0000000	26999	1	9.860
0.0000000	0.0000000	27199	1	9.900
0.0000000	0.0000000	27399	1	9.940
0.0000000	0.0000000	27599	1	9.980
0.0000000	0.0000000	27799	1	10.020
0.0000000	0.0000000	27999	1	10.060
0.0000000	0.0000000	28199	1	10.100
0.0000000	0.0000000	28399	1	10.140
0.0000000	0.0000000	28599	1	10.180
0.0000000	0.0000000	28799	1	10.220
0.0000000	0.0000000	28999	1	10.260
0.0000000	0.0000000	29199	1	10.300
0.0000000	0.0000000	29399	1	10.340
0.0000000	0.0000000	29599	1	10.380
0.0000000	0.0000000	29799	1	10.420
0.0000000	0.0000000	29999	1	10.460
0.0000000	0.0000000	30199	1	10.500
0.0000000	0.0000000	30399	1	10.540
0.0000000	0.0000000	30599	1	10.580
0.0000000	0.0000000	30799	1	10.620
0.0000000	0.0000000	30999	1	10.660
0.0000000	0.0000000	31199	1	10.700
0.0000000	0.0000000	31399	1	10.740
0.0000000	0.0000000	31599	1	10.780
0.0000000	0.0000000	31799	1	10.820
0.0000000	0.0000000	31999	1	10.860
0.0000000	0.0000000	32199	1	10.900
0.0000000	0.0000000	32399	1	10.940
0.0000000	0.0000000	32599	1	10.980
0.0000000	0.0000000	32799	1	11.020
0.0000000	0.0000000	32999	1	11.060
0.0000000	0.0000000	33199	1	11.100
0.0000000	0.0000000	33399	1	11.140
0.0000000	0.0000000	33599	1	11.180
0.0000000	0.0000000	33799	1	11.220
0.0000000	0.0000000	33999	1	11.260
0.0000000	0.0000000	34199	1	11.300
0.0000000	0.0000000	34399	1	11.340
0.0000000	0.0000000	34599	1	11.380
0.0000000	0.0000000	34799	1	11.420
0.0000000	0.0000000	34999	1	11.460
0.0000000	0.0000000	35199	1	11.500
0.0000000	0.0000000	35399	1	11.540
0.0000000	0.0000000	35599	1	11.580
0.0000000	0.0000000	35799	1	11.620
0.0000000	0.0000000	35999	1	11.660
0.0000000	0.0000000	36199	1	11.700
0.0000000	0.0000000	36399	1	11.740
0.0000000	0.0000000	36599	1	11.780
0.0000000	0.0000000	36799	1	11.820
0.0000000	0.0000000	36999	1	11.860
0.0000000	0.0000000	37199	1	11.900
0.0000000	0.0000000	37399	1	11.940
0.0000000	0.0000000	37599	1	11.980
0.0000000	0.0000000	37799	1	12.020
0.0000000	0.0000000	37999	1	12.060
0.0000000	0.0000000	38199	1	12.100
0.0000000	0.0000000	38399	1	12.140
0.0000000	0.0000000	38599	1	12.180
0.0000000	0.0000000	38799	1	12.220
0.0000000	0.0000000	38999	1	12.260
0.0000000	0.0000000	39199	1	12.300
0.0000000	0.0000000	39399	1	12.340
0.0000000	0.0000000	39599	1	12.380
0.0000000	0.0000000	39799	1	12.420
0.0000000	0.0000000	39999	1	12.460
0.0000000	0.0000000	40199	1	12.500

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.017522	0.017522	1.79073	2.000
21	0.017003	0.017003	1.79073	2.000
22	0.016484	0.016484	1.79073	2.000
23	0.015965	0.015965	1.79073	2.000
24	0.015446	0.015446	1.79073	2.000
25	0.014927	0.014927	1.79073	2.000
26	0.014408	0.014408	1.79073	2.000
27	0.013889	0.013889	1.79073	2.000
28	0.013370	0.013370	1.79073	2.000
29	0.012851	0.012851	1.79073	2.000
30	0.012332	0.012332	1.79073	2.000
31	0.011813	0.011813	1.79073	2.000
32	0.011294	0.011294	1.79073	2.000
33	0.010775	0.010775	1.79073	2.000
34	0.010256	0.010256	1.79073	2.000
35	0.009737	0.009737	1.79073	2.000
36	0.009218	0.009218	1.79073	2.000
37	0.008699	0.008699	1.79073	2.000
38	0.008180	0.008180	1.79073	2.000
39	0.007661	0.007661	1.79073	2.000
40	0.007142	0.007142	1.79073	2.000
41	0.006623	0.006623	1.79073	2.000
42	0.006104	0.006104	1.79073	2.000
43	0.005585	0.005585	1.79073	2.000
44	0.005066	0.005066	1.79073	2.000
45	0.004547	0.004547	1.79073	2.000
46	0.004028	0.004028	1.79073	2.000
47	0.003509	0.003509	1.79073	2.000
48	0.002990	0.002990	1.79073	2.000
49	0.002471	0.002471	1.79073	2.000
50	0.001952	0.001952	1.79073	2.000

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.021033	0.021033	1.84623	2.000
26	0.020514	0.020514	1.84623	2.000
27	0.020000	0.020000	1.84623	2.000
28	0.019486	0.019486	1.84623	2.000
29	0.018972	0.018972	1.84623	2.000
30	0.018458	0.018458	1.84623	2.000
31	0.017944	0.017944	1.84623	2.000
32	0.017430	0.017430	1.84623	2.000
33	0.016916	0.016916	1.84623	2.000
34	0.016402	0.016402	1.84623	2.000
35	0.015888	0.015888	1.84623	2.000
36	0.015374	0.015374	1.84623	2.000
37	0.014860	0.014860	1.84623	2.000
38	0.014346	0.014346	1.84623	2.000
39	0.013832	0.013832	1.84623	2.000
40	0.013318	0.013318	1.84623	2.000
41	0.012804	0.012804	1.84623	2.000
42	0.012290	0.012290	1.84623	2.000
43	0.011776	0.011776	1.84623	2.000
44	0.011262	0.011262	1.84623	2.000
45	0.010748	0.010748	1.84623	2.000
46	0.010234	0.010234	1.84623	2.000
47	0.009720	0.009720	1.84623	2.000
48	0.009206	0.009206	1.84623	2.000
49	0.008692	0.008692	1.84623	2.000
50	0.008178	0.008178	1.84623	2.000

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.026084	25150.708994	19676.3	2.000
1	0.064404	199.884222	488.2	1.412
2	0.098459	42.550339	118.8	1.256
3	0.127457	19.941432	53.8	1.184
4	0.152161	12.694021	32.3	1.143
5	0.173397	9.389927	22.4	1.117
6	0.191840	7.561208	17.0	1.098
7	0.208018	6.413714	13.6	1.084
8	0.222336	5.643870	11.1	1.073
9	0.235109	5.086472	9.6	1.065
10	0.256957	4.341390	7.8	1.053
11	0.275000	3.867805	6.5	1.044
12	0.290186	3.407622	5.6	1.038
13	0.303167	3.001465	5.0	1.033
14	0.314407	2.618768	4.4	1.029
15	0.323690	2.807738	3.8	1.023
16	0.331860	2.611868	3.3	1.018
17	0.336712	2.476976	3.0	1.013
18	0.337781	2.378301	2.7	1.010
19	0.338661	2.302914	2.6	1.009
20	0.339399	2.243400	2.4	1.008
25	0.400273	2.195200	2.3	1.008
30	0.405687	2.155351	2.2	1.008

CONFIDENCE LEVEL=.995
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.027190	25185.620268	19939.1	2.000
1	0.066537	199.881609	494.7	1.412
2	0.101579	42.494127	119.6	1.256
3	0.131404	19.897603	54.9	1.184
4	0.156851	12.648975	32.7	1.143
5	0.178759	9.347771	22.7	1.117
6	0.197818	7.532083	17.7	1.098
7	0.214564	6.379481	13.3	1.084
8	0.229407	5.605578	11.1	1.074
9	0.242665	5.048465	9.6	1.066
10	0.265403	4.303893	7.9	1.053
11	0.284230	3.830474	6.6	1.045
12	0.300011	3.503417	5.7	1.038
13	0.313729	3.264009	5.1	1.034
14	0.325540	3.031145	4.6	1.030
15	0.334926	2.769601	3.8	1.023
16	0.336722	2.573190	3.3	1.018
17	0.338132	2.437785	3.0	1.015
18	0.339272	2.333638	2.7	1.013
19	0.402132	2.263823	2.6	1.010
20	0.410044	2.202823	2.4	1.009
25	0.416794	2.154374	2.3	1.008
30	0.422613	2.114209	2.2	1.008

CONFIDENCE LEVEL=.995
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.028098	25213.584797	20301.0	2.000
1	0.068370	1999.879399	5000.2	1.413
2	0.104126	42.448956	1221.0	1.257
3	0.134631	199.851584	500.5	1.195
4	0.160687	12.612780	233.0	1.144
5	0.183151	9.313877	122.9	1.117
6	0.202720	7.488359	77.4	1.099
7	0.219936	6.347902	44.0	1.085
8	0.235217	5.574377	31.7	1.074
9	0.248887	5.017838	21.0	1.066
10	0.261849	4.273643	16.6	1.054
11	0.272363	3.800326	13.6	1.045
12	0.281849	3.473227	11.8	1.039
13	0.290333	3.233699	10.5	1.034
14	0.297776	3.050673	9.4	1.030
15	0.305556	2.939646	8.6	1.026
16	0.313733	2.841738	8.0	1.023
17	0.322209	2.760586	7.6	1.020
18	0.330921	2.693283	7.2	1.017
19	0.339851	2.638007	6.9	1.014
20	0.349052	2.593922	6.6	1.011
25	0.366928	2.469932	5.5	1.009
30	0.386928	2.360495	4.8	1.008

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.028857	25236.488065	20407.2	2.000
1	0.069855	1999.877315	5004.9	1.413
2	0.106224	42.441189	1221.0	1.257
3	0.137331	199.853973	500.5	1.195
4	0.163884	12.612780	233.0	1.144
5	0.186681	9.313877	122.9	1.117
6	0.206681	7.488359	77.4	1.099
7	0.224423	6.347902	44.0	1.085
8	0.240073	5.574377	31.7	1.074
9	0.254089	5.017838	21.0	1.066
10	0.267819	4.273643	16.6	1.054
11	0.280243	3.800326	13.6	1.045
12	0.291523	3.473227	11.8	1.039
13	0.302984	3.233699	10.5	1.034
14	0.314255	3.050673	9.4	1.030
15	0.326825	2.939646	8.6	1.026
16	0.339783	2.841738	8.0	1.023
17	0.353303	2.760586	7.6	1.020
18	0.367832	2.693283	7.2	1.017
19	0.383302	2.638007	6.9	1.014
20	0.400733	2.593922	6.6	1.011
25	0.426302	2.469932	5.5	1.009
30	0.453107	2.360495	4.8	1.008
35	0.482647	2.269932	4.2	1.008
40	0.515873	2.193370	3.7	1.008
45	0.553027	2.128805	3.3	1.008
50	0.595107	2.072226	3.0	1.008
55	0.642647	2.020660	2.8	1.008
60	0.695180	1.972335	2.6	1.008

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.029499	0.590350	20.533.6	2.0000
55	0.071109	0.875854	508.9	4.413
50	0.108038	1.42.380335	123.0	2.257
45	0.139587	1.9.791297	56.1	1.185
40	0.166587	2.558221	33.6	1.144
35	0.189912	3.252756	23.3	1.119
30	0.210274	4.39342	17.7	1.099
25	0.228226	5.300207	14.2	1.086
20	0.244193	6.527325	11.9	1.075
15	0.258505	7.57119	10.3	1.067
10	0.283154	8.237836	8.1	1.055
5	0.303690	9.754615	6.8	1.046
0	0.321116	10.427366	5.9	1.040
	0.336125	11.137633	5.2	1.035
	0.349212	11.876308	4.7	1.031
	0.375703	12.691426	4.3	1.024
	0.395948	13.493333	4.1	1.019
	0.411989	14.296620	3.9	1.015
	0.425047	15.179730	3.8	1.014
	0.435904	16.118853	3.6	1.012
	0.443508	17.069415	3.5	1.011
	0.453296	18.069415	3.4	1.010
	0.459795	19.069415	3.3	1.009

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.000000	0.072584	*	2.0000
2	0.000000	0.500025	*	1.4153
3	0.000000	1.677029	*	1.2633
4	0.000000	7.471373	*	1.1977
5	0.000000	47.118077	*	1.1619
6	0.000000	355.507490	*	1.1324
7	0.000000	3224.5147	*	1.1044
8	0.000000	32544.7460	*	1.0806
9	0.000000	325447.7460	*	1.0602
10	0.000000	3254477.7460	*	1.0492
11	0.000000	32544777.7460	*	1.0386
12	0.000000	325447777.7460	*	1.0280
13	0.000000	3254477777.7460	*	1.0177
14	0.000000	32544777777.7460	*	1.0073
15	0.000000	325447777777.7460	*	0.9968
16	0.000000	3254477777777.7460	*	0.9866
17	0.000000	32544777777777.7460	*	0.9765
18	0.000000	325447777777777.7460	*	0.9664
19	0.000000	3254477777777777.7460	*	0.9564
20	0.000000	32544777777777777.7460	*	0.9464

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.000000	0.501262	*	2.0000
3	0.000000	0.000001	*	1.4144
4	0.000000	0.501145	8.60355	1.2633
5	0.000000	1.247606	43.4077	1.1977
6	0.000000	1.124690	67.7144	1.1619
7	0.000000	1.002711	66.8390	1.1324
8	0.000000	0.869194	44.0200	1.1044
9	0.000000	0.746693	77.7144	1.0806
10	0.000000	0.630677	33.3333	1.0602
11	0.000000	0.520084	60.6833	1.0492
12	0.000000	0.417751	77.7144	1.0386
13	0.000000	0.324717	61.1266	1.0280
14	0.000000	0.239477	53.5577	1.0177
15	0.000000	0.163577	44.8844	1.0073
16	0.000000	0.097588	40.0111	0.9968
17	0.000000	0.052790	33.3333	0.9866
18	0.000000	0.027890	28.7500	0.9765
19	0.000000	0.015362	26.0000	0.9664
20	0.000000	0.008331	24.2777	0.9564
21	0.000000	0.004331	22.9444	0.9464
22	0.000000	0.002445	21.9444	0.9364
23	0.000000	0.001388	21.1111	0.9264
24	0.000000	0.000739	20.4000	0.9164

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.0	540379	*	2.000
4	0.000011	999999	4004.6	1.413
5	0.000049	141111	1709.3	1.257
6	0.000106	333333	560.3	1.186
7	0.000241	333333	278.5	1.147
8	0.000307	333333	220.8	1.122
9	0.000370	333333	192.2	1.103
10	0.000429	333333	174.4	1.084
11	0.000483	333333	162.6	1.077
12	0.000578	333333	148.1	1.067
13	0.000659	333333	139.7	1.060
14	0.000727	333333	133.4	1.053
15	0.000786	333333	127.9	1.048
16	0.000836	333333	123.3	1.043
17	0.000893	333333	119.3	1.040
18	0.001010	333333	115.9	1.037
19	0.001066	333333	112.4	1.036
20	0.001110	333333	109.9	1.034
21	0.001146	333333	107.7	1.033
22	0.001175	333333	106.6	1.033
23	0.001200	333333	105.6	1.033
24	0.001221	333333	104.8	1.033

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.0	562499	*	2.000
5	0.000023	999999	3999.0	1.413
6	0.000071	133333	588.8	1.257
7	0.000125	333333	211.1	1.186
8	0.000279	333333	100.0	1.147
9	0.000390	333333	77.0	1.122
10	0.000474	333333	66.8	1.103
11	0.000551	333333	59.0	1.084
12	0.000626	333333	53.0	1.077
13	0.000698	333333	48.4	1.067
14	0.000768	333333	44.7	1.060
15	0.000836	333333	41.4	1.053
16	0.000893	333333	38.8	1.048
17	0.000951	333333	36.6	1.043
18	0.001011	333333	34.7	1.040
19	0.001066	333333	33.3	1.037
20	0.001110	333333	32.1	1.036
21	0.001146	333333	31.1	1.034
22	0.001175	333333	30.3	1.033
23	0.001200	333333	29.7	1.033
24	0.001221	333333	29.2	1.033

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0001136	576404.562282	* 2339.8	2.000
6	0.0002670	9999.727318	2339.8	2.440
7	0.0005709	1334.820709	2339.8	2.900
8	0.0007014	1120.993674	2339.8	3.360
9	0.0008163	999.993341	2339.8	3.820
10	0.0009177	900.000774	2339.8	4.280
11	0.0010086	822.4460	2339.8	4.740
12	0.0010904	755.3384	2339.8	5.200
13	0.0011637	699.993341	2339.8	5.660
14	0.0012293	655.3384	2339.8	6.120
15	0.0012871	622.4460	2339.8	6.580
16	0.0013379	599.993341	2339.8	7.040
17	0.0013816	576404.562282	2339.8	7.500
18	0.0014183	555.3384	2339.8	7.960
19	0.0014479	535.3384	2339.8	8.420
20	0.0014704	516.3384	2339.8	8.880
21	0.0014857	499.993341	2339.8	9.340
22	0.0014937	485.3384	2339.8	9.800
23	0.0014943	472.4460	2339.8	10.260
24	0.0014875	460.000774	2339.8	10.720
25	0.0014732	448.993341	2339.8	11.180
26	0.0014514	439.993341	2339.8	11.640
27	0.0014221	433.3384	2339.8	12.100
28	0.0013853	428.993341	2339.8	12.560
29	0.0013409	426.3384	2339.8	13.020
30	0.0012889	425.3384	2339.8	13.480
31	0.0012293	425.3384	2339.8	13.940
32	0.0011637	425.3384	2339.8	14.400
33	0.0010904	425.3384	2339.8	14.860
34	0.0010086	425.3384	2339.8	15.320
35	0.0009177	425.3384	2339.8	15.780
36	0.0008163	425.3384	2339.8	16.240
37	0.0007014	425.3384	2339.8	16.700
38	0.0005709	425.3384	2339.8	17.160
39	0.0004267	425.3384	2339.8	17.620
40	0.0002670	425.3384	2339.8	18.080
41	0.0001136	425.3384	2339.8	18.540
42	0.0000000	425.3384	2339.8	19.000
43	0.0000000	425.3384	2339.8	19.460
44	0.0000000	425.3384	2339.8	19.920
45	0.0000000	425.3384	2339.8	20.380
46	0.0000000	425.3384	2339.8	20.840
47	0.0000000	425.3384	2339.8	21.300
48	0.0000000	425.3384	2339.8	21.760
49	0.0000000	425.3384	2339.8	22.220
50	0.0000000	425.3384	2339.8	22.680
51	0.0000000	425.3384	2339.8	23.140
52	0.0000000	425.3384	2339.8	23.600
53	0.0000000	425.3384	2339.8	24.060
54	0.0000000	425.3384	2339.8	24.520
55	0.0000000	425.3384	2339.8	24.980
56	0.0000000	425.3384	2339.8	25.440
57	0.0000000	425.3384	2339.8	25.900
58	0.0000000	425.3384	2339.8	26.360
59	0.0000000	425.3384	2339.8	26.820
60	0.0000000	425.3384	2339.8	27.280

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0001136	585937.10822	* 1789.5	2.000
6	0.0002670	9999.727318	1789.5	2.440
7	0.0005709	1334.820709	1789.5	2.900
8	0.0007014	1120.993674	1789.5	3.360
9	0.0008163	999.993341	1789.5	3.820
10	0.0009177	900.000774	1789.5	4.280
11	0.0010086	822.4460	1789.5	4.740
12	0.0010904	755.3384	1789.5	5.200
13	0.0011637	699.993341	1789.5	5.660
14	0.0012293	655.3384	1789.5	6.120
15	0.0012871	622.4460	1789.5	6.580
16	0.0013379	599.993341	1789.5	7.040
17	0.0013816	576404.562282	1789.5	7.500
18	0.0014183	555.3384	1789.5	7.960
19	0.0014479	535.3384	1789.5	8.420
20	0.0014704	516.3384	1789.5	8.880
21	0.0014857	499.993341	1789.5	9.340
22	0.0014937	485.3384	1789.5	9.800
23	0.0014943	472.4460	1789.5	10.260
24	0.0014875	460.000774	1789.5	10.720
25	0.0014732	448.993341	1789.5	11.180
26	0.0014514	439.993341	1789.5	11.640
27	0.0014221	433.3384	1789.5	12.100
28	0.0013853	428.993341	1789.5	12.560
29	0.0013409	426.3384	1789.5	13.020
30	0.0012889	425.3384	1789.5	13.480
31	0.0012293	425.3384	1789.5	13.940
32	0.0011637	425.3384	1789.5	14.400
33	0.0010904	425.3384	1789.5	14.860
34	0.0010086	425.3384	1789.5	15.320
35	0.0009177	425.3384	1789.5	15.780
36	0.0008163	425.3384	1789.5	16.240
37	0.0007014	425.3384	1789.5	16.700
38	0.0005709	425.3384	1789.5	17.160
39	0.0004267	425.3384	1789.5	17.620
40	0.0002670	425.3384	1789.5	18.080
41	0.0001136	425.3384	1789.5	18.540
42	0.0000000	425.3384	1789.5	19.000
43	0.0000000	425.3384	1789.5	19.460
44	0.0000000	425.3384	1789.5	19.920
45	0.0000000	425.3384	1789.5	20.380
46	0.0000000	425.3384	1789.5	20.840
47	0.0000000	425.3384	1789.5	21.300
48	0.0000000	425.3384	1789.5	21.760
49	0.0000000	425.3384	1789.5	22.220
50	0.0000000	425.3384	1789.5	22.680
51	0.0000000	425.3384	1789.5	23.140
52	0.0000000	425.3384	1789.5	23.600
53	0.0000000	425.3384	1789.5	24.060
54	0.0000000	425.3384	1789.5	24.520
55	0.0000000	425.3384	1789.5	24.980
56	0.0000000	425.3384	1789.5	25.440
57	0.0000000	425.3384	1789.5	25.900
58	0.0000000	425.3384	1789.5	26.360
59	0.0000000	425.3384	1789.5	26.820
60	0.0000000	425.3384	1789.5	27.280

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0	592873	1546.7	2.000
1	0.004953	1000.0	267.1	1.411
2	0.009706	131.5	103.1	1.253
3	0.014115	49.9	56.1	1.179
4	0.017983	38.3	36.7	1.137
5	0.021327	32.8	26.7	1.111
6	0.024215	29.5	20.8	1.092
7	0.026718	27.1	17.1	1.079
8	0.028900	25.5	14.5	1.069
9	0.030814	24.4	12.4	1.061
10	0.032400	23.8	10.9	1.054
11	0.033655	23.3	9.6	1.048
12	0.034532	22.9	8.6	1.043
13	0.035094	22.6	7.7	1.037
14	0.035386	22.4	6.9	1.032
15	0.035456	22.3	6.3	1.028
16	0.035343	22.2	5.8	1.024
17	0.035009	22.2	5.4	1.021
18	0.034517	22.1	5.1	1.017
19	0.033849	22.1	4.8	1.015
20	0.033084	22.0	4.6	1.014
21	0.032200	22.0	4.4	1.013
22	0.031214	21.9	4.3	1.012
23	0.030133	21.9	4.2	1.011
24	0.028955	21.8	4.1	1.010
25	0.027677	21.8	4.0	1.009
26	0.026300	21.7	3.9	1.008
27	0.024822	21.7	3.8	1.007
28	0.023244	21.6	3.7	1.006
29	0.021567	21.6	3.6	1.005
30	0.019790	21.5	3.5	1.004
31	0.017913	21.5	3.4	1.003
32	0.015936	21.4	3.3	1.002
33	0.013859	21.4	3.2	1.001
34	0.011682	21.3	3.1	1.000
35	0.009405	21.3	3.0	0.999
36	0.007028	21.2	2.9	0.998
37	0.004551	21.2	2.8	0.997
38	0.002074	21.1	2.7	0.996
39	0.000000	21.1	2.6	0.995
40	0.000000	21.0	2.5	0.994
41	0.000000	21.0	2.4	0.993
42	0.000000	20.9	2.3	0.992
43	0.000000	20.9	2.2	0.991
44	0.000000	20.8	2.1	0.990
45	0.000000	20.8	2.0	0.989
46	0.000000	20.7	1.9	0.988
47	0.000000	20.7	1.8	0.987
48	0.000000	20.6	1.7	0.986
49	0.000000	20.6	1.6	0.985
50	0.000000	20.5	1.5	0.984
51	0.000000	20.5	1.4	0.983
52	0.000000	20.4	1.3	0.982
53	0.000000	20.4	1.2	0.981
54	0.000000	20.3	1.1	0.980
55	0.000000	20.3	1.0	0.979
56	0.000000	20.2	0.9	0.978
57	0.000000	20.2	0.8	0.977
58	0.000000	20.1	0.7	0.976
59	0.000000	20.1	0.6	0.975
60	0.000000	20.0	0.5	0.974

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.0	598144	1433.3	2.000
1	0.007453	1000.0	250.0	1.411
2	0.013923	130.0	103.0	1.253
3	0.019790	49.9	56.0	1.179
4	0.024882	38.3	36.0	1.137
5	0.029256	32.7	26.0	1.111
6	0.033002	29.0	20.0	1.092
7	0.036229	27.1	17.0	1.079
8	0.038913	25.5	14.0	1.069
9	0.041162	24.4	12.0	1.061
10	0.042977	23.8	10.0	1.054
11	0.044353	23.3	9.0	1.048
12	0.045277	22.9	8.0	1.043
13	0.045773	22.6	7.0	1.037
14	0.045840	22.4	6.0	1.032
15	0.045403	22.2	5.0	1.028
16	0.044579	22.2	4.0	1.024
17	0.043393	22.1	3.0	1.021
18	0.041822	22.1	2.0	1.017
19	0.040009	22.0	1.0	1.015
20	0.038084	22.0	0.9	1.014
21	0.036055	21.9	0.8	1.013
22	0.033953	21.9	0.7	1.012
23	0.031777	21.8	0.6	1.011
24	0.029551	21.8	0.5	1.010
25	0.027273	21.7	0.4	1.009
26	0.024940	21.7	0.3	1.008
27	0.022553	21.6	0.2	1.007
28	0.020114	21.6	0.1	1.006
29	0.017636	21.5	0.0	1.005
30	0.015114	21.5	0.0	1.004
31	0.012551	21.4	0.0	1.003
32	0.009945	21.4	0.0	1.002
33	0.007294	21.3	0.0	1.001
34	0.004641	21.3	0.0	1.000
35	0.002074	21.2	0.0	0.999
36	0.000000	21.2	0.0	0.998
37	0.000000	21.1	0.0	0.997
38	0.000000	21.1	0.0	0.996
39	0.000000	21.0	0.0	0.995
40	0.000000	21.0	0.0	0.994
41	0.000000	20.9	0.0	0.993
42	0.000000	20.9	0.0	0.992
43	0.000000	20.8	0.0	0.991
44	0.000000	20.8	0.0	0.990
45	0.000000	20.7	0.0	0.989
46	0.000000	20.7	0.0	0.988
47	0.000000	20.6	0.0	0.987
48	0.000000	20.6	0.0	0.986
49	0.000000	20.5	0.0	0.985
50	0.000000	20.5	0.0	0.984
51	0.000000	20.4	0.0	0.983
52	0.000000	20.4	0.0	0.982
53	0.000000	20.3	0.0	0.981
54	0.000000	20.3	0.0	0.980
55	0.000000	20.2	0.0	0.979
56	0.000000	20.2	0.0	0.978
57	0.000000	20.1	0.0	0.977
58	0.000000	20.1	0.0	0.976
59	0.000000	20.0	0.0	0.975
60	0.000000	20.0	0.0	0.974

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0	602284.0001018	*	2.000
1	0.010073	1000.1255569	1357.3	1.411
2	0.018134	130.221221	241.0	1.253
3	0.025450	48.736806	94.0	1.138
4	0.031708	27.464107	51.4	1.111
5	0.037073	18.884575	33.6	1.092
6	0.041636	14.551173	24.4	1.076
7	0.045678	11.938383	19.0	1.060
8	0.049156	10.271187	15.6	1.049
9	0.052209	9.114753	13.3	1.041
10	0.055730	7.630684	10.0	1.036
11	0.061376	6.728009	8.5	1.031
12	0.064701	6.125150	7.3	1.028
13	0.067464	5.695629	6.5	1.025
14	0.069794	5.374806	5.9	1.022
15	0.074281	4.984408	5.5	1.019
16	0.077498	4.552088	5.1	1.017
17	0.079916	4.303812	4.8	1.015
18	0.081799	4.148111	4.5	1.013
19	0.083306	4.031041	4.3	1.011
20	0.084533	3.939840	4.1	1.010
25	0.085567	3.866801	3.8	1.010
30	0.086437	3.806998	3.6	1.010

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0	605620.969187	*	2.000
1	0.012692	1000.157143	1320.7	1.411
2	0.022357	129.612477	236.2	1.253
3	0.030909	48.217132	92.4	1.138
4	0.038258	27.137116	50.5	1.111
5	0.044552	18.607480	33.0	1.092
6	0.049963	14.526477	24.0	1.076
7	0.054648	11.912566	18.8	1.060
8	0.058734	10.057058	15.3	1.049
9	0.062321	9.117337	13.0	1.041
10	0.065932	8.441566	11.0	1.036
11	0.073357	7.547828	9.3	1.031
12	0.077057	6.951158	8.1	1.028
13	0.080328	6.526156	7.3	1.025
14	0.083092	6.208768	6.5	1.022
15	0.088425	4.683831	5.9	1.019
16	0.092261	4.364211	5.5	1.017
17	0.095149	4.149558	5.1	1.015
18	0.097402	3.995600	4.8	1.013
19	0.099208	3.879842	4.5	1.011
20	0.100633	3.789664	4.3	1.010
25	0.101922	3.717444	4.1	1.010
30	0.102968	3.658211	3.8	1.010

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.0	610667.832302	1291.8	2.0000
1	0.0117660	10000.190679	2333.0	1.4122
2	0.030061	1283.685495	991.3	1.2544
3	0.040915	47.675369	491.3	1.1884
4	0.050214	26.636510	332.6	1.1333
5	0.058176	18.182375	252.6	1.0933
6	0.065033	13.885690	202.7	1.0633
7	0.070991	11.362208	175.4	1.0409
8	0.076180	9.729920	155.0	1.0249
9	0.080738	8.599107	139.7	1.0141
10	0.084637	7.714983	128.8	1.0061
11	0.089963	6.269479	118.0	1.0000
12	0.093933	5.263732	109.6	0.9950
13	0.100393	4.551448	102.5	0.9900
14	0.107522	4.034968	96.4	0.9850
15	0.114410	3.630349	91.0	0.9800
16	0.121153	3.309387	86.6	0.9750
17	0.127763	3.057924	82.8	0.9700
18	0.134230	2.844034	79.5	0.9650
19	0.140570	2.655302	76.6	0.9600
20	0.146794	2.488233	74.0	0.9550
21	0.152914	2.34042	71.6	0.9500

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.0	614302.749952	1290.5	2.0000
1	0.0211098	10000.203399	2333.8	1.4122
2	0.036797	1288.010151	991.7	1.2544
3	0.049536	47.208015	491.7	1.1884
4	0.060537	26.271337	332.1	1.1333
5	0.069936	18.731440	252.7	1.0933
6	0.078067	13.602700	202.7	1.0633
7	0.085119	10.633300	175.4	1.0409
8	0.091300	8.489142	155.0	1.0249
9	0.096733	7.369370	139.7	1.0141
10	0.103940	6.535009	128.8	1.0061
11	0.110338	5.864135	118.0	1.0000
12	0.116943	5.311800	109.6	0.9950
13	0.122898	4.831699	102.5	0.9900
14	0.128374	4.430775	96.4	0.9850
15	0.133367	4.092249	91.0	0.9800
16	0.137869	3.730413	86.6	0.9750
17	0.141906	3.435911	82.8	0.9700
18	0.145503	3.197914	79.5	0.9650
19	0.148743	2.980114	76.6	0.9600
20	0.151654	2.789761	74.0	0.9550
21	0.154285	2.62181	71.6	0.9500

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.00	617045.192002	*	2.000
1	0.025979	1000.206431	1300.4	2.412
2	0.042680	127.496627	236.1	2.555
3	0.057055	46.852242	92.7	2.833
4	0.069435	25.992673	50.6	3.140
5	0.080070	17.77.635169	32.9	3.533
6	0.089267	11.3396138	23.9	3.944
7	0.097235	9.010610	18.5	4.380
8	0.104518	7.304775	14.7	4.800
9	0.110560	6.193282	11.7	5.200
10	0.115600	5.770052	9.8	5.500
11	0.120566	5.330033	8.0	5.822
12	0.125377	4.919845	6.6	6.233
13	0.129977	4.613360	5.4	6.777
14	0.134416	4.310715	4.4	7.414
15	0.138743	4.019877	3.6	8.155
16	0.142915	3.738553	3.0	9.000
17	0.146988	3.466331	2.7	9.999
18	0.150914	3.204111	2.5	11.000
19	0.154743	2.951891	2.3	12.100
20	0.158518	2.709671	2.1	13.300
21	0.162189	2.477451	2.0	14.600
22	0.165799	2.255231	1.9	16.000
23	0.169369	2.043011	1.8	17.500
24	0.172839	1.840791	1.7	19.100
25	0.176249	1.648571	1.6	20.800
26	0.179619	1.466351	1.5	22.600
27	0.182889	1.294131	1.4	24.500
28	0.186109	1.131911	1.3	26.600
29	0.189229	0.979691	1.2	28.800
30	0.192299	0.837471	1.1	31.200
31	0.195269	0.705251	1.0	33.800
32	0.198189	0.583031	0.9	36.600
33	0.201009	0.470811	0.8	39.600
34	0.203779	0.368591	0.7	42.800
35	0.206449	0.276371	0.6	46.200
36	0.209069	0.194151	0.5	49.800

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
13	0.00	519197.694625	*	2.000
1	0.023333	1000.204879	1300.4	2.412
2	0.047620	127.093301	236.1	2.555
3	0.063470	46.852242	92.7	2.833
4	0.077057	25.992673	50.6	3.140
5	0.088770	17.77.635169	32.9	3.533
6	0.098914	11.3396138	23.9	3.944
7	0.107776	9.010610	18.5	4.380
8	0.115558	7.304775	14.7	4.800
9	0.122497	6.193282	11.7	5.200
10	0.128519	5.770052	9.8	5.500
11	0.133711	5.330033	8.0	5.822
12	0.138170	4.919845	6.6	6.233
13	0.141939	4.613360	5.4	6.777
14	0.145170	4.310715	4.4	7.414
15	0.147914	4.019877	3.6	8.155
16	0.150222	3.738553	3.0	9.000
17	0.152156	3.466331	2.7	9.999
18	0.153776	3.204111	2.5	11.000
19	0.155149	2.951891	2.3	12.100
20	0.156336	2.709671	2.1	13.300
21	0.157390	2.477451	2.0	14.600
22	0.158366	2.255231	1.9	16.000
23	0.159214	2.043011	1.8	17.500
24	0.159990	1.840791	1.7	19.100
25	0.160649	1.648571	1.6	20.800
26	0.161236	1.466351	1.5	22.600
27	0.161779	1.294131	1.4	24.500
28	0.162289	1.131911	1.3	26.600
29	0.162769	0.979691	1.2	28.800
30	0.163219	0.837471	1.1	31.200
31	0.163649	0.705251	1.0	33.800
32	0.164069	0.583031	0.9	36.600
33	0.164469	0.470811	0.8	39.600
34	0.164849	0.368591	0.7	42.800
35	0.165209	0.276371	0.6	46.200
36	0.165559	0.194151	0.5	49.800

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.0	620907.664787	1331.1	2.000
1	0.032290	1000.201168	2432.2	1.413
2	0.051956	126.767466	2432.2	1.236
3	0.069012	46.346416	335.0	1.133
4	0.083663	25.596252	335.0	1.144
5	0.096235	17.297326	335.0	1.114
6	0.107266	11.309342	335.0	1.095
7	0.116872	7.620812	335.0	1.071
8	0.125345	5.040373	335.0	1.050
9	0.132874	3.540928	335.0	1.063
10	0.145665	2.533123	335.0	1.042
11	0.156123	1.678937	335.0	1.033
12	0.164833	1.092448	335.0	1.031
13	0.172207	0.703655	335.0	1.031
14	0.178517	0.400796	335.0	1.031
15	0.190985	0.289975	335.0	1.031
16	0.200130	0.209440	335.0	1.031
17	0.207248	0.139905	335.0	1.031
18	0.212834	0.094168	335.0	1.031
19	0.217409	0.060724	335.0	1.031
20	0.221181	0.044194	335.0	1.031
21	0.224365	0.034830	335.0	1.031
22	0.227082	0.027088	335.0	1.031

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.0	62401.683356	1371.1	2.000
1	0.038142	1000.189901	2499.6	1.413
2	0.060336	126.767466	2499.6	1.236
3	0.079957	46.346416	335.0	1.133
4	0.095709	25.596252	335.0	1.144
5	0.111203	17.297326	335.0	1.114
6	0.123844	11.309342	335.0	1.095
7	0.134939	7.620812	335.0	1.071
8	0.144806	5.040373	335.0	1.050
9	0.153591	3.540928	335.0	1.063
10	0.168600	2.533123	335.0	1.042
11	0.178000	1.678937	335.0	1.033
12	0.188600	1.092448	335.0	1.031
13	0.191323	0.703655	335.0	1.031
14	0.200044	0.400796	335.0	1.031
15	0.207743	0.289975	335.0	1.031
16	0.222847	0.209440	335.0	1.031
17	0.233410	0.139905	335.0	1.031
18	0.242820	0.094168	335.0	1.031
19	0.249733	0.060724	335.0	1.031
20	0.255467	0.044194	335.0	1.031
21	0.260202	0.034830	335.0	1.031
22	0.264207	0.027088	335.0	1.031
23	0.267639	0.021168	335.0	1.031

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.0000000000	62608.966426	1407.1	2.0000
40	0.0042467	10000.177329	1256.1	2.4133
50	0.0066841	1255.776680	1000.5	2.2577
60	0.0083001	1455.055442	843.8	2.1844
70	0.0106330	166.835391	735.6	2.1466
80	0.0122186	180.679609	659.7	2.0933
90	0.0148349	200.246578	599.9	2.0733
100	0.0175924	217.772211	546.2	2.0652
110	0.0206000	235.592082	499.3	2.0522
120	0.0238574	255.205246	458.4	2.0444
130	0.0272228	276.801722	421.7	2.0377
140	0.0307593	299.401678	386.6	2.0333
150	0.0344719	323.102778	354.5	2.0299
160	0.0383601	347.905374	324.9	2.0273
170	0.0423702	373.801725	297.4	2.0250
180	0.0465437	399.955227	271.7	2.0237
190	0.0508903	426.447755	247.5	2.0227
200	0.0554339	453.388514	224.7	2.0216
210	0.0601860	480.892268	203.6	2.0206
220	0.0651599	508.963245	183.5	2.0196

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.0000000000	627590.727820	1437.0	2.0000
45	0.0045773	10000.167212	1261.6	2.4133
55	0.0071644	1255.489740	1002.6	2.2577
65	0.0094142	1455.458831	843.8	2.1844
75	0.0113622	166.868307	735.6	2.1466
85	0.0130579	180.679636	659.7	2.0933
95	0.0145459	200.246321	599.9	2.0733
105	0.0161199	217.772436	546.2	2.0652
115	0.0178086	235.592072	499.3	2.0522
125	0.0198993	255.205339	458.4	2.0444
135	0.0221405	276.801735	421.7	2.0377
145	0.0246807	299.401675	386.6	2.0333
155	0.0273750	323.102057	354.5	2.0299
165	0.0302663	347.905155	324.9	2.0273
175	0.0333807	373.801666	297.4	2.0250
185	0.0367210	399.955078	271.7	2.0237
195	0.0403087	426.447370	247.5	2.0227
205	0.0441590	453.388241	224.7	2.0216
215	0.0482043	480.892200	203.6	2.0206
225	0.0525073	508.963241	183.5	2.0196

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.0	628712.027091	*	2.000
35	0.0483374	10000.158716	1462.5	1.413
30	0.075416	125.273426	266.1	1.257
25	0.098957	45.307554	1004.4	1.185
20	0.119375	24.779685	36.9	1.144
15	0.137187	16.599335	337.0	1.117
10	0.152849	11.466169	26.7	1.099
8	0.166731	10.049377	20.7	1.085
6	0.179126	8.490949	16.8	1.074
5	0.190269	7.413663	14.1	1.066
4	0.200952	6.603560	10.7	1.053
3	0.211574	5.99472	8.7	1.045
2	0.223921	4.641488	7.4	1.038
1	0.235094	4.243336	6.4	1.034
0	0.246117	3.946544	5.7	1.030
0	0.258180	3.633367	4.6	1.023
0	0.269748	3.330110	3.9	1.019
0	0.280833	3.048513	3.5	1.015
0	0.291983	2.801882	3.0	1.011
0	0.302811	2.691557	2.9	1.010
0	0.313506	2.604359	2.8	1.009
0	0.324101	2.534954	2.6	1.008
0	0.334614	2.477774	2.5	1.008

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.0	629585.606320	*	2.000
40	0.050470	10000.151534	1484.0	1.413
35	0.073843	125.104531	270.0	1.257
30	0.098334	45.389880	1005.9	1.185
25	0.124033	24.686965	357.8	1.144
20	0.144255	16.599379	337.5	1.117
15	0.158822	11.466155	267.1	1.099
10	0.173292	10.049356	211.0	1.085
8	0.186237	8.490978	177.0	1.074
6	0.197893	7.413646	14.3	1.066
5	0.211806	6.603533	10.4	1.053
4	0.223493	5.994700	8.8	1.045
3	0.234936	4.641453	7.5	1.038
2	0.249336	4.243304	6.5	1.034
1	0.261744	3.946570	5.5	1.030
0	0.272577	3.633338	4.8	1.023
0	0.284517	3.330184	4.1	1.019
0	0.294527	3.048314	3.5	1.015
0	0.304527	2.801717	3.0	1.011
0	0.314527	2.691577	2.9	1.010
0	0.324527	2.604303	2.8	1.009
0	0.334527	2.534963	2.6	1.008
0	0.344527	2.477963	2.5	1.008
0	0.355175	2.413146	2.4	1.008
0	0.365820	2.348920	2.3	1.008
0	0.376378	2.285926	2.2	1.008

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.0052194	0.0052194	1.502.3	2.000
1	0.0080946	0.0080946	1.273.3	1.414
2	0.0106020	0.0106020	1.077.3	1.158
3	0.0127877	0.0127877	0.907.3	1.000
4	0.0146909	0.0146909	0.788.0	0.866
5	0.0163374	0.0163374	0.698.0	0.750
6	0.0177505	0.0177505	0.627.4	0.650
7	0.0189409	0.0189409	0.567.2	0.567
8	0.0199196	0.0199196	0.514.5	0.500
9	0.0207047	0.0207047	0.467.5	0.447
10	0.0213233	0.0213233	0.424.0	0.400
11	0.0217977	0.0217977	0.384.6	0.367
12	0.0221444	0.0221444	0.347.7	0.333
13	0.0223893	0.0223893	0.313.9	0.300
14	0.0225477	0.0225477	0.282.6	0.271
15	0.0226353	0.0226353	0.253.0	0.244
16	0.0226678	0.0226678	0.226.8	0.219
17	0.0226503	0.0226503	0.202.0	0.200
18	0.0225989	0.0225989	0.179.5	0.178
19	0.0225205	0.0225205	0.158.7	0.158
20	0.0224233	0.0224233	0.139.7	0.139
21	0.0223154	0.0223154	0.122.4	0.122
22	0.0221969	0.0221969	0.106.6	0.106
23	0.0220689	0.0220689	0.092.0	0.092
24	0.0219323	0.0219323	0.079.5	0.079
25	0.0217889	0.0217889	0.068.0	0.068
26	0.0216395	0.0216395	0.058.0	0.058
27	0.0214869	0.0214869	0.049.0	0.049
28	0.0213329	0.0213329	0.041.0	0.041
29	0.0211794	0.0211794	0.034.0	0.034
30	0.0210281	0.0210281	0.028.0	0.028
31	0.0208809	0.0208809	0.023.0	0.023
32	0.0207394	0.0207394	0.019.0	0.019
33	0.0206053	0.0206053	0.016.0	0.016
34	0.0204809	0.0204809	0.013.0	0.013
35	0.0203677	0.0203677	0.011.0	0.011
36	0.0202671	0.0202671	0.009.0	0.009
37	0.0201805	0.0201805	0.008.0	0.008
38	0.0201093	0.0201093	0.007.0	0.007
39	0.0200549	0.0200549	0.006.0	0.006
40	0.0200100	0.0200100	0.005.0	0.005
41	0.0199761	0.0199761	0.004.0	0.004
42	0.0199537	0.0199537	0.003.0	0.003
43	0.0199423	0.0199423	0.002.0	0.002
44	0.0199416	0.0199416	0.001.0	0.001
45	0.0199521	0.0199521	0.000.0	0.000
46	0.0199734	0.0199734	0.000.0	0.000
47	0.0199951	0.0199951	0.000.0	0.000
48	0.0200169	0.0200169	0.000.0	0.000
49	0.0200386	0.0200386	0.000.0	0.000
50	0.0200601	0.0200601	0.000.0	0.000

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.0052194	0.0052194	1.502.3	2.000
1	0.0080946	0.0080946	1.273.3	1.414
2	0.0106020	0.0106020	1.077.3	1.158
3	0.0127877	0.0127877	0.907.3	1.000
4	0.0146909	0.0146909	0.788.0	0.866
5	0.0163374	0.0163374	0.698.0	0.750
6	0.0177505	0.0177505	0.627.4	0.650
7	0.0189409	0.0189409	0.567.2	0.567
8	0.0199196	0.0199196	0.514.5	0.500
9	0.0207047	0.0207047	0.467.5	0.447
10	0.0213233	0.0213233	0.424.0	0.400
11	0.0217977	0.0217977	0.384.6	0.367
12	0.0221444	0.0221444	0.347.7	0.333
13	0.0223893	0.0223893	0.313.9	0.300
14	0.0225477	0.0225477	0.282.6	0.271
15	0.0226353	0.0226353	0.253.0	0.244
16	0.0226678	0.0226678	0.226.8	0.219
17	0.0226503	0.0226503	0.202.0	0.200
18	0.0225989	0.0225989	0.179.5	0.178
19	0.0225205	0.0225205	0.158.7	0.158
20	0.0224233	0.0224233	0.139.7	0.139
21	0.0223154	0.0223154	0.122.4	0.122
22	0.0221969	0.0221969	0.106.6	0.106
23	0.0220689	0.0220689	0.092.0	0.092
24	0.0219323	0.0219323	0.079.5	0.079
25	0.0217889	0.0217889	0.068.0	0.068
26	0.0216395	0.0216395	0.058.0	0.058
27	0.0214869	0.0214869	0.049.0	0.049
28	0.0213329	0.0213329	0.041.0	0.041
29	0.0211794	0.0211794	0.034.0	0.034
30	0.0210281	0.0210281	0.028.0	0.028
31	0.0208809	0.0208809	0.023.0	0.023
32	0.0207394	0.0207394	0.019.0	0.019
33	0.0206053	0.0206053	0.016.0	0.016
34	0.0204809	0.0204809	0.013.0	0.013
35	0.0203677	0.0203677	0.011.0	0.011
36	0.0202671	0.0202671	0.009.0	0.009
37	0.0201805	0.0201805	0.008.0	0.008
38	0.0201093	0.0201093	0.007.0	0.007
39	0.0200549	0.0200549	0.006.0	0.006
40	0.0200100	0.0200100	0.005.0	0.005
41	0.0199761	0.0199761	0.004.0	0.004
42	0.0199537	0.0199537	0.003.0	0.003
43	0.0199423	0.0199423	0.002.0	0.002
44	0.0199416	0.0199416	0.001.0	0.001
45	0.0199521	0.0199521	0.000.0	0.000
46	0.0199734	0.0199734	0.000.0	0.000
47	0.0199951	0.0199951	0.000.0	0.000
48	0.0200169	0.0200169	0.000.0	0.000
49	0.0200386	0.0200386	0.000.0	0.000
50	0.0200601	0.0200601	0.000.0	0.000
51	0.0200816	0.0200816	0.000.0	0.000
52	0.0201029	0.0201029	0.000.0	0.000
53	0.0201240	0.0201240	0.000.0	0.000
54	0.0201450	0.0201450	0.000.0	0.000
55	0.0201659	0.0201659	0.000.0	0.000

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.0	631336.553997	*	2.000
1	0.054859	1000.136082	1531.8	1.414
2	0.084798	124.765051	278.6	1.258
3	0.110943	44.553195	109.3	1.186
4	0.133726	24.500319	59.6	1.145
5	0.153705	16.359798	38.6	1.119
6	0.171368	12.250237	28.0	1.100
7	0.187107	9.848600	21.7	1.086
8	0.201235	8.300475	17.6	1.076
9	0.214002	7.230492	14.8	1.067
10	0.225621	5.861770	11.2	1.055
11	0.235492	5.031025	9.1	1.046
12	0.244094	4.476302	7.7	1.040
13	0.251435	4.080661	6.7	1.035
14	0.257705	3.784604	6.0	1.031
15	0.263219	3.528551	5.4	1.024
16	0.268127	3.297230	4.8	1.019
17	0.272574	3.097137	4.3	1.016
18	0.276614	2.923690	3.9	1.014
19	0.280354	2.780074	3.6	1.012
20	0.283857	2.644057	3.3	1.011
25	0.296248	2.370088	2.7	1.010
30	0.302926	2.312067	2.5	1.009

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0025086	0.863458	1.0000	1.000000
2	0.0033923	0.632741	0.349	0.02116
3	0.0037733	0.506933	0.413	0.04132
4	0.0039755	0.530233	0.348	0.05576
5	0.0040986	0.523430	0.331	0.06533
6	0.0041807	0.539519	0.285	0.07204
7	0.0042339	0.510850	0.272	0.07714
8	0.0042826	0.503314	0.260	0.08110
9	0.0043165	0.749281	0.250	0.08422
10	0.0043430	0.629429	0.244	0.08688
11	0.0043829	0.455073	0.233	0.09076
12	0.0044111	0.334390	0.223	0.09362
13	0.0044320	0.245916	0.213	0.09580
14	0.0044488	0.178284	0.203	0.09752
15	0.0044614	0.124908	0.193	0.09890
16	0.0044844	0.030435	0.183	0.09944
17	0.0044994	0.968373	0.173	0.09971
18	0.0045102	0.924935	0.163	0.09986
19	0.0045182	0.892494	0.153	0.09995
20	0.0045245	0.867433	0.143	0.09999
25	0.0045333	0.831247	0.123	0.09999
30	0.0045336	0.817758	0.113	0.09999

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.079159	0.476397	0.823	0.02116
3	0.111111	0.000000	0.000	0.000000
4	0.1266220	0.226490	0.747	0.00453
5	0.1355633	0.204129	0.627	0.01103
6	0.1413333	0.679333	0.537	0.01687
7	0.1453500	0.361739	0.479	0.02148
8	0.1483001	0.148902	0.449	0.02566
9	0.1505339	0.996339	0.456	0.02934
10	0.1523340	0.882126	0.423	0.03374
11	0.1537811	0.793074	0.401	0.03710
12	0.1555967	0.663477	0.386	0.03979
13	0.1575477	0.573727	0.375	0.04189
14	0.1587411	0.507903	0.366	0.04353
15	0.1596766	0.457571	0.359	0.04496
16	0.1604226	0.417835	0.354	0.04590
17	0.1611785	0.347478	0.350	0.04633
18	0.1626995	0.301389	0.343	0.04699
19	0.1633348	0.268860	0.333	0.04717
20	0.1638338	0.244574	0.323	0.04733
25	0.1642227	0.223593	0.303	0.04747
30	0.1643227	0.211111	0.293	0.04754
35	0.1644778	0.198999	0.283	0.04759
40	0.1644937	0.183935	0.273	0.04762

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

AD-A064 946

NAVAL POSTGRADUATE SCHOOL MONTEREY CALIF
IMPROVED CONFIDENCE INTERVALS FOR THE RATIO OF THE VARIANCES AN--ETC(U)
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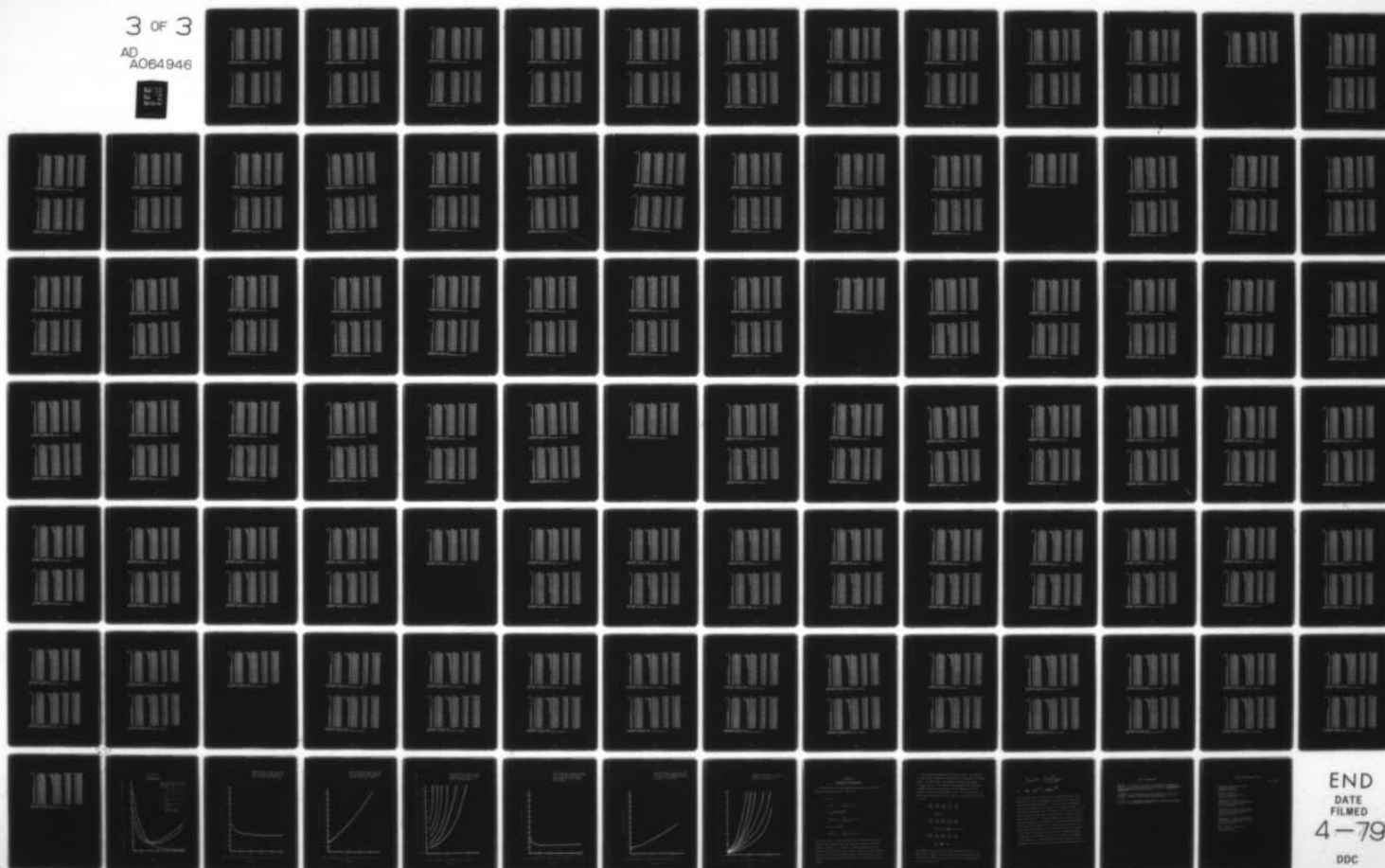
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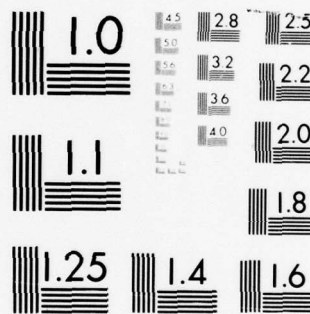
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.112272	26.501649	2.4255	1.04162
4	0.160604	7.897632	1.3333	1.00451
5	0.185502	5.390773	1.0000	1.00000
6	0.200490	4.467110	0.8337	1.00158
7	0.210469	3.929001	0.7411	1.00436
8	0.222390	3.705331	0.6773	1.00719
9	0.232370	3.512637	0.6334	1.00976
10	0.240303	3.374563	0.6000	1.01204
11	0.246303	3.270805	0.5755	1.01404
12	0.250303	3.189995	0.5534	1.01578
13	0.253371	3.122297	0.5334	1.01767
14	0.254401	3.069071	0.5102	1.01955
15	0.254424	3.030830	0.4936	1.02178
16	0.254430	3.005010	0.4774	1.02428
17	0.254437	3.084881	0.4644	1.02553
18	0.254437	3.078469	0.4446	1.02790
19	0.254437	3.074265	0.4334	1.02957
20	0.254437	3.071296	0.4255	1.03081
21	0.254437	3.069087	0.4199	1.03176
22	0.254437	3.067330	0.4144	1.03253
23	0.254437	3.066022	0.4110	1.03315
24	0.254437	3.064914	0.4077	1.03364
25	0.254437	3.063994	0.4044	1.03407

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.132798	25.153982	2.3709	1.05376
5	0.192215	7.376633	1.5953	1.00409
6	0.223333	4.987776	1.1653	1.00358
7	0.234347	4.107250	1.0000	1.00000
8	0.256680	3.654719	0.8855	1.00000
9	0.266433	3.380001	0.8003	1.00211
10	0.273769	3.195633	0.7514	1.00371
11	0.279303	3.063497	0.7116	1.00525
12	0.284120	2.964074	0.6811	1.00669
13	0.287991	2.886577	0.6566	1.00800
14	0.293793	2.773590	0.6318	1.00930
15	0.299813	2.695179	0.6091	1.01077
16	0.300414	2.637573	0.5935	1.01233
17	0.300625	2.593458	0.5795	1.01390
18	0.301019	2.558531	0.5643	1.01544
19	0.301286	2.496736	0.5520	1.01692
20	0.301486	2.456175	0.5405	1.01822
21	0.301624	2.427495	0.4944	1.01998
22	0.301743	2.406130	0.4866	1.02186
23	0.301833	2.389644	0.4800	1.02366
24	0.301912	2.376499	0.4755	1.02530
25	0.301975	2.365784	0.4700	1.02669
26	0.301975	2.356881	0.4677	1.02811

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.46554	24.398616	3.207	1.06523
6	0.213696	7.075475	1.795	1.01687
7	0.150444	4.751291	1.349	1.00436
8	0.117361	3.894047	1.131	1.00072
9	0.096605	3.452932	1.000	1.00000
10	0.081317	3.184905	0.913	1.00038
11	0.070276	3.004840	0.851	1.00020
12	0.061733	2.873367	0.804	1.000216
13	0.055092	2.778244	0.768	1.000316
14	0.050037	2.702320	0.738	1.000412
15	0.045933	2.641309	0.694	1.000589
16	0.042789	2.591451	0.663	1.000743
17	0.040173	2.545788	0.639	1.000873
18	0.037911	2.514432	0.621	1.000986
19	0.035951	2.488015	0.606	1.001083
20	0.034266	2.465191	0.591	1.001174
21	0.032809	2.445791	0.576	1.001266
22	0.031522	2.428508	0.561	1.001353
23	0.030374	2.413034	0.549	1.001440
24	0.029341	2.399179	0.539	1.001531
25	0.028408	2.386739	0.525	1.001603
26	0.027568	2.375597	0.512	1.001677
27	0.026815	2.365610	0.500	1.001780
28	0.026141	2.356726	0.489	1.001820
29	0.025540	2.348891	0.479	1.001883
30	0.024997	2.342056	0.470	1.001950

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.56367	23.5125	3.469	1.07204
7	0.32267	7.99339	1.955	1.02161
8	0.229830	4.39994	1.475	1.00710
9	0.16958	3.752984	1.238	1.00315
10	0.13388	3.318769	1.095	1.00033
11	0.11077	3.054551	1.000	1.00000
12	0.09591	2.876885	0.932	1.00033
13	0.08408	2.749205	0.880	1.00074
14	0.07526	2.652993	0.840	1.00137
15	0.06877	2.577374	0.807	1.00203
16	0.06391	2.516911	0.775	1.00279
17	0.05990	2.463917	0.743	1.00361
18	0.05649	2.41758	0.723	1.00446
19	0.05351	2.376417	0.696	1.00537
20	0.05093	2.339741	0.675	1.00636
21	0.04858	2.306231	0.653	1.00753
22	0.04641	2.275620	0.632	1.00892
23	0.04441	2.247717	0.610	1.01051
24	0.04256	2.222946	0.589	1.01231
25	0.04083	2.200413	0.566	1.01434
26	0.03921	2.179125	0.546	1.01661
27	0.03768	2.159288	0.526	1.01913
28	0.03624	2.140813	0.506	1.02183
29	0.03488	2.123691	0.486	1.02473
30	0.03359	2.107913	0.466	1.02783

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

9 DF	C-1	23 C-2	A-2/A-1	REDUCTION
1	0.175935	6.168157	3.594	1.08425
2	0.257593	6.564252	2.286	1.03131
3	0.305733	4.341618	1.740	1.01404
4	0.337374	3.519643	1.468	1.00669
5	0.359940	3.095095	1.303	1.00316
6	0.376933	2.836013	1.151	1.00137
7	0.390233	2.661310	1.110	1.00049
8	0.400949	2.535429	1.049	1.00010
9	0.409779	2.440340	1.000	1.00000
10	0.417183	2.365932	0.961	1.00007
11	0.423854	2.305689	0.901	1.00004
12	0.429785	2.256898	0.857	1.00001
13	0.434866	2.218077	0.824	1.00000
14	0.439051	2.184560	0.798	1.00000
15	0.442388	2.155328	0.776	1.00000
16	0.444866	2.130700	0.738	1.00000
17	0.446994	2.109453	0.711	1.00000
18	0.448406	2.091689	0.692	1.00000
19	0.449783	2.078954	0.678	1.00000
20	0.450541	2.070390	0.669	1.00000
21	0.451177	2.064700	0.657	1.00000
22	0.451688	2.060553	0.650	1.00000
23	0.452054	2.057336	0.644	1.00000
24	0.452274	2.054833		1.00000
25	0.452360	2.052834		1.00000
26	0.452360	2.051334		1.00000

CONFIDENCE LEVEL = .8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

10 DF	C-1	23 C-2	A-2/A-1	REDUCTION
1	0.177638	6.025338	4.11535	1.08682
2	0.263633	6.320273	2.36445	1.03328
3	0.313488	4.291443	1.80404	1.01748
4	0.346433	3.473220	1.52424	1.00901
5	0.370055	3.050297	1.35434	1.00415
6	0.387911	2.793003	1.23393	1.00205
7	0.401930	2.617597	1.15335	1.00092
8	0.413293	2.492008	1.09111	1.00034
9	0.422666	2.396999	1.04111	1.00007
10	0.430551	2.322604	1.00000	1.00000
11	0.437093	2.264977	0.96200	1.00000
12	0.442650	2.213723	0.93222	1.00000
13	0.447617	2.168080	0.90222	1.00000
14	0.452093	2.127500	0.87577	1.00000
15	0.456076	2.091620	0.85229	1.00000
16	0.459590	2.060362	0.83077	1.00000
17	0.462663	2.033420	0.81009	1.00000
18	0.465308	2.010009	0.79009	1.00000
19	0.467516	1.987213	0.77138	1.00000
20	0.469304	1.965336	0.75382	1.00000
21	0.470866	1.944351	0.73738	1.00000
22	0.472127	1.924337	0.72188	1.00000
23	0.473026	1.905688	0.70702	1.00000
24	0.473494	1.888047	0.69290	1.00000
25	0.473677	1.871377	0.68282	1.00000
26	0.473677	1.855688	0.67373	1.00000
27	0.473677	1.840977	0.66666	1.00000

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.190624	0.563123	4.568	1.00580
17	0.285007	0.299559	2.667	1.04189
18	0.341220	0.123957	2.057	1.02278
19	0.379136	0.317099	1.751	1.01373
20	0.406854	0.898736	1.564	1.00873
21	0.428166	0.642354	1.437	1.00571
22	0.445153	0.468744	1.343	1.00377
23	0.459061	0.343139	1.271	1.00249
24	0.470686	0.247890	1.214	1.00162
25	0.480566	0.173082	1.167	1.00103
26	0.489649	0.062921	1.095	1.00035
27	0.500881	0.585532	0.941	1.00007
28	0.503186	0.928079	0.841	1.00000
29	0.505366	0.833680	0.967	1.00005
30	0.507334	0.648307	0.840	1.00016
31	0.509161	0.784876	0.890	1.00057
32	0.510552	0.742986	0.835	1.00103
33	0.511956	0.712558	0.810	1.00146
34	0.513672	0.689950	0.810	1.00185
35	0.515714	0.672350	0.793	1.00220
36	0.517433	0.658256	0.782	1.00251
37	0.517769	0.646712	0.772	1.00279
38	0.518011	0.637032	0.763	1.00304

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
19	0.199114	0.480938	4.661	1.00752
20	0.289921	0.263701	2.730	1.04358
21	0.346609	0.093266	2.102	1.02429
22	0.385538	0.293277	1.801	1.01504
23	0.414168	0.870584	1.611	1.00986
24	0.436622	0.614410	1.461	1.00667
25	0.453833	0.440800	1.336	1.00459
26	0.466833	0.313035	1.222	1.00319
27	0.480046	0.219695	1.134	1.00220
28	0.490799	0.144712	1.066	1.00150
29	0.500751	0.034179	1.013	1.00065
30	0.509204	0.956426	0.971	1.00023
31	0.515087	0.898633	0.934	1.00005
32	0.519399	0.853923	0.900	1.00000
33	0.524651	0.818268	0.922	1.00003
34	0.530011	0.754238	0.920	1.00029
35	0.536979	0.711573	0.884	1.00064
36	0.543770	0.681062	0.857	1.00100
37	0.550826	0.658138	0.836	1.00133
38	0.558722	0.640274	0.820	1.00164
39	0.569092	0.625956	0.807	1.00192
40	0.584019	0.614220	0.796	1.00217
41	0.596638	0.604423	0.786	1.00239

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.201265	0.225394	4.979	0.10311
11	0.302503	0.146468	4.953	0.04930
11	0.364611	0.995780	2.306	0.02957
11	0.407137	0.196226	2.381	0.01982
11	0.438736	0.780256	2.382	0.01456
11	0.463453	0.524331	2.382	0.01052
11	0.483421	0.350437	2.382	0.00802
11	0.499984	0.224096	2.382	0.00623
11	0.513995	0.127917	2.382	0.00490
11	0.526036	0.052092	2.382	0.00389
11	0.545736	0.939845	2.382	0.00349
11	0.561230	0.860449	2.382	0.00161
11	0.573827	0.801331	2.382	0.00103
11	0.584233	0.755024	2.382	0.00064
11	0.593065	0.713094	2.382	0.00038
11	0.601014	0.651339	2.382	0.00007
11	0.608247	0.606479	2.382	0.00000
11	0.614888	0.574170	2.382	0.00004
11	0.620900	0.549750	2.382	0.00014
11	0.626383	0.530621	2.382	0.00025
11	0.631300	0.515321	2.382	0.00038
11	0.635743	0.502549	2.382	0.00051
11	0.639744	0.491936	2.382	0.00065

CONFIDENCE LEVEL = .8
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.300304	0.172138	5.003	0.04033
11	0.305917	0.121910	5.003	0.03059
11	0.368600	0.975039	2.303	0.03091
11	0.411947	0.176537	2.303	0.02000
11	0.444276	0.760846	2.303	0.01523
11	0.469601	0.504954	2.303	0.01141
11	0.490131	0.330863	2.303	0.00894
11	0.507200	0.204314	2.303	0.00708
11	0.521678	0.107899	2.303	0.00569
11	0.533444	0.031327	2.303	0.00462
11	0.543603	0.919086	2.303	0.00311
11	0.552770	0.839219	2.303	0.00211
11	0.560922	0.779464	2.303	0.00146
11	0.568486	0.732952	2.303	0.00100
11	0.575412	0.695650	2.303	0.00067
11	0.581813	0.628091	2.303	0.00022
11	0.587655	0.583571	2.303	0.00004
11	0.593028	0.549712	2.303	0.00000
11	0.597907	0.524826	2.303	0.00003
11	0.602369	0.505300	2.303	0.00000
11	0.606496	0.489336	2.303	0.00007
11	0.610345	0.476584	2.303	0.00026
11	0.613929	0.465703	2.303	0.00036

CONFIDENCE LEVEL = .8
SHORTEST UNBIASED CONFIDENCE INTERVAL

40 DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.20435	0.13550	5.107	1.10525
2	0.3308197	0.103575	3.045	1.10515
3	0.3371626	0.09519	3.337	1.102176
4	0.4156002	0.164778	3.338	1.102176
5	0.4494799	0.1746274	3.557	1.101608
6	0.4742900	0.190350	3.713	1.101231
7	0.4952588	0.2316129	3.677	1.100969
8	0.5127288	0.2894055	3.533	1.100778
9	0.5275667	0.327994	3.475	1.100634
10	0.5403665	0.3016519	3.424	1.100533
11	0.5561423	0.293372	3.423	1.100333
12	0.5781115	0.31118	3.222	1.100233
13	0.5917333	0.30011	3.234	1.100033
14	0.6030866	0.2716155	3.196	1.100033
15	0.6127200	0.2678544	3.164	1.100040
16	0.6215100	0.2610312	3.122	1.100040
17	0.6293266	0.242335	3.093	1.100014
18	0.6355812	0.20908	3.000	1.100000
19	0.6404766	0.205623	3.000	1.100000
20	0.6470982	0.4855756	3.979	1.100000
21	0.6566344	0.469714	3.632	1.100006
22	0.6681407	0.439479	3.447	1.100000
23	0.685493	0.445369	3.535	1.100000

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

45 DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.303447	0.101970	5.131	1.100396
2	0.309933	0.089364	3.077	1.100233
3	0.3739938	0.147469	3.416	1.100233
4	0.4184722	0.150300	3.685	1.100166
5	0.451733	0.173495	3.833	1.100166
6	0.4779855	0.178969	3.744	1.100096
7	0.4993004	0.204635	3.642	1.100033
8	0.517093	0.177763	3.564	1.100033
9	0.5322266	0.208099	3.500	1.100033
10	0.5453000	0.2004545	3.449	1.100033
11	0.5668448	0.2891059	3.367	1.100033
12	0.583967	0.310482	3.306	1.100029
13	0.5979511	0.250062	3.238	1.100020
14	0.6096354	0.202936	3.199	1.100014
15	0.6195996	0.1655065	3.187	1.100005
16	0.6339041	0.1596263	3.125	1.100005
17	0.6533330	0.149710	3.081	1.100000
18	0.6643319	0.159331	3.043	1.100000
19	0.6730058	0.490354	3.021	1.100000
20	0.6801866	0.470137	3.000	1.100000
21	0.686113	0.453833	3.932	1.100001
22	0.6911337	0.440419	3.967	1.100005
23	0.695440	0.429104	3.954	1.100000

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

50	DF	C-1	C-2	A-2/A-1	REDUCTION
0.20	0.07	5.18	0.07	0.07	0.07
0.31	0.08	5.10	0.08	0.08	0.08
0.42	0.09	5.03	0.09	0.09	0.09
0.53	0.10	4.97	0.10	0.10	0.10
0.64	0.11	4.91	0.11	0.11	0.11
0.75	0.12	4.85	0.12	0.12	0.12
0.86	0.13	4.79	0.13	0.13	0.13
0.97	0.14	4.73	0.14	0.14	0.14
1.08	0.15	4.67	0.15	0.15	0.15
1.19	0.16	4.61	0.16	0.16	0.16
1.30	0.17	4.55	0.17	0.17	0.17
1.41	0.18	4.49	0.18	0.18	0.18
1.52	0.19	4.43	0.19	0.19	0.19
1.63	0.20	4.37	0.20	0.20	0.20
1.74	0.21	4.31	0.21	0.21	0.21
1.85	0.22	4.25	0.22	0.22	0.22
1.96	0.23	4.19	0.23	0.23	0.23
2.07	0.24	4.13	0.24	0.24	0.24
2.18	0.25	4.07	0.25	0.25	0.25
2.29	0.26	4.01	0.26	0.26	0.26
2.40	0.27	3.95	0.27	0.27	0.27
2.51	0.28	3.89	0.28	0.28	0.28
2.62	0.29	3.83	0.29	0.29	0.29
2.73	0.30	3.77	0.30	0.30	0.30
2.84	0.31	3.71	0.31	0.31	0.31
2.95	0.32	3.65	0.32	0.32	0.32
3.06	0.33	3.59	0.33	0.33	0.33
3.17	0.34	3.53	0.34	0.34	0.34
3.28	0.35	3.47	0.35	0.35	0.35
3.39	0.36	3.41	0.36	0.36	0.36
3.50	0.37	3.35	0.37	0.37	0.37
3.61	0.38	3.29	0.38	0.38	0.38
3.72	0.39	3.23	0.39	0.39	0.39
3.83	0.40	3.17	0.40	0.40	0.40
3.94	0.41	3.11	0.41	0.41	0.41
4.05	0.42	3.05	0.42	0.42	0.42
4.16	0.43	2.99	0.43	0.43	0.43
4.27	0.44	2.93	0.44	0.44	0.44
4.38	0.45	2.87	0.45	0.45	0.45
4.49	0.46	2.81	0.46	0.46	0.46
4.60	0.47	2.75	0.47	0.47	0.47
4.71	0.48	2.69	0.48	0.48	0.48
4.82	0.49	2.63	0.49	0.49	0.49
4.93	0.50	2.57	0.50	0.50	0.50
5.04	0.51	2.51	0.51	0.51	0.51
5.15	0.52	2.45	0.52	0.52	0.52
5.26	0.53	2.39	0.53	0.53	0.53
5.37	0.54	2.33	0.54	0.54	0.54
5.48	0.55	2.27	0.55	0.55	0.55
5.59	0.56	2.21	0.56	0.56	0.56
5.70	0.57	2.15	0.57	0.57	0.57
5.81	0.58	2.09	0.58	0.58	0.58
5.92	0.59	2.03	0.59	0.59	0.59
6.03	0.60	1.97	0.60	0.60	0.60
6.14	0.61	1.91	0.61	0.61	0.61
6.25	0.62	1.85	0.62	0.62	0.62
6.36	0.63	1.79	0.63	0.63	0.63
6.47	0.64	1.73	0.64	0.64	0.64
6.58	0.65	1.67	0.65	0.65	0.65
6.69	0.66	1.61	0.66	0.66	0.66
6.80	0.67	1.55	0.67	0.67	0.67
6.91	0.68	1.49	0.68	0.68	0.68
7.02	0.69	1.43	0.69	0.69	0.69
7.13	0.70	1.37	0.70	0.70	0.70
7.24	0.71	1.31	0.71	0.71	0.71
7.35	0.72	1.25	0.72	0.72	0.72
7.46	0.73	1.19	0.73	0.73	0.73
7.57	0.74	1.13	0.74	0.74	0.74
7.68	0.75	1.07	0.75	0.75	0.75
7.79	0.76	1.01	0.76	0.76	0.76
7.90	0.77	0.95	0.77	0.77	0.77
8.01	0.78	0.89	0.78	0.78	0.78
8.12	0.79	0.83	0.79	0.79	0.79
8.23	0.80	0.77	0.80	0.80	0.80
8.34	0.81	0.71	0.81	0.81	0.81
8.45	0.82	0.65	0.82	0.82	0.82
8.56	0.83	0.59	0.83	0.83	0.83
8.67	0.84	0.53	0.84	0.84	0.84
8.78	0.85	0.47	0.85	0.85	0.85
8.89	0.86	0.41	0.86	0.86	0.86
9.00	0.87	0.35	0.87	0.87	0.87
9.11	0.88	0.29	0.88	0.88	0.88
9.22	0.89	0.23	0.89	0.89	0.89
9.33	0.90	0.17	0.90	0.90	0.90
9.44	0.91	0.11	0.91	0.91	0.91
9.55	0.92	0.05	0.92	0.92	0.92
9.66	0.93	0.00	0.93	0.93	0.93
9.77	0.94	0.00	0.94	0.94	0.94
9.88	0.95	0.00	0.95	0.95	0.95
9.99	0.96	0.00	0.96	0.96	0.96
10.00	0.97	0.00	0.97	0.97	0.97

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

55	DF	C-1	C-2	A-2/A-1	REDUCTION
0.05	0.05	5.21	0.05	0.05	0.05
0.16	0.06	5.13	0.06	0.06	0.06
0.27	0.07	5.06	0.07	0.07	0.07
0.38	0.08	4.99	0.08	0.08	0.08
0.49	0.09	4.92	0.09	0.09	0.09
0.60	0.10	4.85	0.10	0.10	0.10
0.71	0.11	4.79	0.11	0.11	0.11
0.82	0.12	4.73	0.12	0.12	0.12
0.93	0.13	4.67	0.13	0.13	0.13
1.04	0.14	4.61	0.14	0.14	0.14
1.15	0.15	4.55	0.15	0.15	0.15
1.26	0.16	4.49	0.16	0.16	0.16
1.37	0.17	4.43	0.17	0.17	0.17
1.48	0.18	4.37	0.18	0.18	0.18
1.59	0.19	4.31	0.19	0.19	0.19
1.70	0.20	4.25	0.20	0.20	0.20
1.81	0.21	4.19	0.21	0.21	0.21
1.92	0.22	4.13	0.22	0.22	0.22
2.03	0.23	4.07	0.23	0.23	0.23
2.14	0.24	4.01	0.24	0.24	0.24
2.25	0.25	3.95	0.25	0.25	0.25
2.36	0.26	3.89	0.26	0.26	0.26
2.47	0.27	3.83	0.27	0.27	0.27
2.58	0.28	3.77	0.28	0.28	0.28
2.69	0.29	3.71	0.29	0.29	0.29
2.80	0.30	3.65	0.30	0.30	0.30
2.91	0.31	3.59	0.31	0.31	0.31
3.02	0.32	3.53	0.32	0.32	0.32
3.13	0.33	3.47	0.33	0.33	0.33
3.24	0.34	3.41	0.34	0.34	0.34
3.35	0.35	3.35	0.35	0.35	0.35
3.46	0.36	3.29	0.36	0.36	0.36
3.57	0.37	3.23	0.37	0.37	0.37
3.68	0.38	3.17	0.38	0.38	0.38
3.79	0.39	3.11	0.39	0.39	0.39
3.90	0.40	3.05	0.40	0.40	0.40
4.01	0.41	2.99	0.41	0.41	0.41
4.12	0.42	2.93	0.42	0.42	0.42
4.23	0.43	2.87	0.43	0.43	0.43
4.34	0.44	2.81	0.44	0.44	0.44
4.45	0.45	2.75	0.45	0.45	0.45
4.56	0.46	2.69	0.46	0.46	0.46
4.67	0.47	2.63	0.47	0.47	0.47
4.78	0.48	2.57	0.48	0.48	0.48
4.89	0.49	2.51	0.49	0.49	0.49
5.00	0.50	2.45	0.50	0.50	0.50
5.11	0.51	2.39	0.51	0.51	0.51
5.22	0.52	2.33	0.52	0.52	0.52
5.33	0.53	2.27	0.53	0.53	0.53
5.44	0.54	2.21	0.54	0.54	0.54
5.55	0.55	2.15	0.55	0.55	0.55
5.66	0.56	2.09	0.56	0.56	0.56
5.77	0.57	2.03	0.57	0.57	0.57
5.88	0.58	1.97	0.58	0.58	0.58
5.99	0.59	1.91	0.59	0.59	0.59
6.10	0.60	1.85	0.60	0.60	0.60
6.21	0.61	1.79	0.61	0.61	0.61
6.32	0.62	1.73	0.62	0.62	0.62
6.43	0.63	1.67	0.63	0.63	0.63
6.54	0.64	1.61	0.64	0.64	0.64
6.65	0.65	1.55	0.65	0.65	0.65
6.76	0.66	1.49	0.66	0.66	0.66
6.87	0.67	1.43	0.67	0.67	0.67
6.98	0.68	1.37	0.68	0.68	0.68
7.09	0.69	1.31	0.69	0.69	0.69
7.20	0.70	1.25	0.70	0.70	0.70
7.31	0.71	1.19	0.71	0.71	0.71
7.42	0.72	1.13	0.72	0.72	0.72
7.53	0.73	1.07	0.73	0.73	0.73
7.64	0.74	1.01	0.74	0.74	0.74
7.75	0.75	0.95	0.75	0.75	0.75
7.86	0.76	0.89	0.76	0.76	0.76
7.97	0.77	0.83	0.77	0.77	0.77
8.08	0.78	0.77	0.78	0.78	0.78
8.19	0.79	0.71	0.79	0.79	0.79
8.30	0.80	0.65	0.80	0.80	0.80
8.41	0.81	0.59	0.81	0.81	0.81
8.52	0.82	0.53	0.82	0.82	0.82
8.63	0.83	0.47	0.83	0.83	0.83
8.74	0.84	0.41	0.84	0.84	0.84
8.85	0.85	0.35	0.85	0.85	0.85
8.96	0.86	0.29	0.86	0.86	0.86
9.07	0.87	0.23	0.87	0.87	0.87
9.18	0.88	0.17	0.88	0.88	0.88
9.29	0.89	0.11	0.89	0.89	0.89
9.40	0.90	0.05	0.90	0.90	0.90
9.51	0.91	0.00	0.91	0.91	0.91
9.62	0.92	0.00	0.92	0.92	0.92
9.73	0.93	0.00	0.93	0.93	0.93
9.84	0.94	0.00	0.94	0.94	0.94
9.95	0.95	0.00	0.95	0.95	0.95
10.00	0.96	0.00	0.96	0.96	0.96

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF		C -	A - 2 / A - 1	REDUCTION
60	1	0.041367	1.241	1.10740
	2	0.061075	3.142	1.05392
	3	0.923426	2.475	1.02407
	4	0.127367	2.141	1.02411
	5	0.712222	1.938	1.01920
	6	0.456130	1.799	1.01433
	7	0.281358	1.696	1.01161
	8	0.154337	1.617	1.00960
	9	0.057223	1.554	1.00907
	10	0.980407	1.502	1.00687
	11	0.866180	1.420	1.00511
	12	0.784893	1.359	1.00390
	13	0.723806	1.311	1.00304
	14	0.676057	1.272	1.00239
	15	0.637607	1.239	1.00190
	16	0.567523	1.177	1.00109
	17	0.519337	1.132	1.00063
	18	0.483232	1.097	1.00036
	19	0.453804	1.070	1.00019
	20	0.437938	1.048	1.00009
	21	0.421018	1.029	1.00003
	22	0.407006	1.014	1.00001
	23	0.395201	1.000	1.00000

CONFIDENCE LEVEL = .8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.006194	161.447639	1.0000	1.00000
2	0.008641	27.570303	0.5255	1.01814
3	0.009762	15.213919	0.3800	1.03697
4	0.010367	12.601221	0.3122	1.04978
5	0.010735	10.881137	0.2744	1.05862
6	0.010980	9.885648	0.2499	1.06499
7	0.011153	9.239456	0.2332	1.06976
8	0.011232	8.787164	0.2220	1.07347
9	0.011381	8.453295	0.2110	1.07642
10	0.011459	8.196916	0.2003	1.07882
12	0.011575	7.822932	0.1922	1.08249
14	0.011657	7.578650	0.1844	1.08546
16	0.011717	7.396858	0.1773	1.08819
18	0.011763	7.259023	0.1714	1.09078
20	0.011800	7.150944	0.1671	1.09307
25	0.011866	6.991167	0.1600	1.09524
30	0.011909	6.833796	0.1560	1.09717
35	0.011939	6.751348	0.1533	1.09910
40	0.011962	6.683336	0.1515	1.10095
45	0.011979	6.633833	0.1503	1.10266
50	0.011993	6.599924	0.1493	1.10414
55	0.012005	6.567465	0.1485	1.10539
60	0.012014	6.541119	0.1478	1.10694

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.036271	115.722722	1.9066	1.01814
3	0.052632	19.000000	1.0000	1.00000
4	0.061066	10.934086	0.7211	1.00427
5	0.066035	8.333919	0.5900	1.01061
6	0.069269	7.173333	0.5144	1.01632
7	0.071527	6.473375	0.4655	1.02083
8	0.073188	6.020296	0.4311	1.02460
9	0.074459	5.703023	0.4066	1.02770
10	0.075462	5.469955	0.3887	1.03039
12	0.076372	5.289227	0.3722	1.03246
14	0.077300	5.091542	0.3549	1.03399
16	0.078337	4.835602	0.3334	1.03533
18	0.079056	4.728692	0.3122	1.04057
20	0.079578	4.632156	0.2915	1.04351
25	0.080756	4.422356	0.2593	1.04603
30	0.081263	4.337283	0.2335	1.04774
35	0.081626	4.276766	0.2179	1.04899
40	0.081899	4.231974	0.2074	1.04994
45	0.082111	4.197484	0.2011	1.05068
50	0.082281	4.170108	0.2003	1.05129
55	0.082420	4.147852	0.2000	1.05178
60	0.082536	4.129403	0.2000	1.05220

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.061675	02.434714	2.6333	1.03697
1	0.091457	16.375660	1.387	1.00427
2	0.107799	9.276628	1.0000	1.00000
3	0.117897	7.040445	0.816	1.00154
4	0.124708	5.980386	0.709	1.00428
5	0.129596	5.368655	0.640	1.00707
6	0.133270	4.971965	0.591	1.00962
7	0.136129	4.694324	0.555	1.01187
8	0.138416	4.489819	0.527	1.01384
9	0.140286	4.332666	0.505	1.01557
10	0.141599	4.107385	0.473	1.01842
12	0.143159	3.853766	0.450	1.02067
14	0.144686	3.642355	0.432	1.02247
16	0.146136	3.475766	0.419	1.02395
18	0.147491	3.351626	0.409	1.02518
20	0.148702	3.257276	0.399	1.02615
25	0.150287	3.099723	0.377	1.02915
30	0.151996	3.046715	0.369	1.03066
35	0.153883	3.007474	0.362	1.03130
40	0.155442	3.037233	0.357	1.03204
45	0.156485	3.035326	0.353	1.03254
50	0.157205	3.033375	0.350	1.03291
55	0.157550	3.031758	0.347	1.03356
60				

CONFIDENCE LEVEL=.9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.079357	96.464485	3.201	1.04978
1	0.119276	15.143404	1.695	1.01061
2	0.142036	8.432010	1.225	1.00154
3	0.156538	6.338233	1.0000	1.00000
4	0.166550	5.396332	0.868	1.00071
5	0.173869	4.824117	0.782	1.00212
6	0.179449	4.452974	0.721	1.00368
7	0.183844	4.193347	0.676	1.00523
8	0.187394	4.001736	0.641	1.00663
9	0.190320	3.854599	0.613	1.00797
10	0.194862	3.643587	0.573	1.01024
12	0.198223	3.499629	0.542	1.01210
14	0.200809	3.395179	0.521	1.01365
16	0.202862	3.315948	0.504	1.01484
18	0.204530	3.259793	0.490	1.01604
20	0.207593	3.214458	0.466	1.01816
25	0.209679	3.075630	0.450	1.01968
30	0.211191	3.023823	0.438	1.02083
35	0.212337	3.006943	0.430	1.02172
40	0.213236	3.003833	0.423	1.02243
45	0.213960	3.003598	0.418	1.02290
50	0.214555	3.001763	0.414	1.02335
55	0.215053	2.990243	0.410	1.02391
60				

CONFIDENCE LEVEL=.9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.091902	93.155183	3.650	1.05862
1	0.139405	14.436512	1.945	1.01622
2	0.167208	8.018760	1.410	1.00428
3	0.185302	6.004210	1.152	1.00071
4	0.198007	5.050329	1.000	1.00000
5	0.207419	4.499586	0.900	1.00038
6	0.214674	4.142413	0.829	1.00119
7	0.220439	3.892463	0.776	1.00216
8	0.225130	3.707921	0.736	1.00315
9	0.229022	3.566154	0.703	1.00411
10	0.233109	3.462741	0.654	1.00538
11	0.235652	3.393873	0.619	1.00674
12	0.243171	3.312305	0.593	1.00871
13	0.245979	3.246547	0.573	1.00983
14	0.248271	3.186499	0.553	1.01080
15	0.252502	3.130930	0.523	1.01270
16	0.253403	3.122992	0.506	1.01410
17	0.257514	3.076409	0.493	1.01517
18	0.259121	3.073837	0.483	1.01601
19	0.260334	3.070036	0.477	1.01666
20	0.261403	3.067500	0.470	1.01725
25	0.262242	3.066123	0.463	1.01772
30	0.263274	3.064649	0.461	1.01812

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.101157	91.077853	4.003	1.06499
1	0.154467	13.980096	2.149	1.02033
2	0.186266	7.716267	1.563	1.00707
3	0.200729	5.751463	1.279	1.00212
4	0.222243	4.823115	1.111	1.00038
5	0.233434	4.238386	1.000	1.00000
6	0.242134	3.935272	0.921	1.00023
7	0.249096	3.691214	0.862	1.00074
8	0.254796	3.510939	0.816	1.00137
9	0.259549	3.372388	0.779	1.00205
10	0.267030	3.173470	0.724	1.00338
11	0.272652	3.037569	0.683	1.00461
12	0.277032	2.938343	0.653	1.00570
13	0.280542	2.863876	0.632	1.00666
14	0.283417	2.805011	0.614	1.00751
15	0.286375	2.701452	0.580	1.00921
16	0.292430	2.634065	0.558	1.01050
17	0.299511	2.586714	0.542	1.01149
18	0.309715	2.535161	0.522	1.01292
19	0.319878	2.535161	0.521	1.01392
20	0.300092	2.503067	0.514	1.01346
25	0.301171	2.485580	0.508	1.01399
30	0.302075	2.471073	0.502	1.01425

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.108231	89.662264	4.303	1.06976
1	0.166105	13.663361	2.319	1.02460
2	0.201128	7.503560	1.692	1.00962
3	0.224569	5.572600	1.387	1.00368
4	0.241405	4.658222	1.206	1.00119
5	0.254112	4.129943	1.086	1.00023
6	0.264058	3.787044	1.000	1.00000
7	0.272064	3.546854	0.936	1.00015
8	0.278651	3.369331	0.883	1.00049
9	0.284168	3.232867	0.845	1.00092
10	0.289289	3.036794	0.785	1.00190
11	0.299495	3.002732	0.741	1.00237
12	0.304661	2.905276	0.709	1.00277
14	0.308817	2.731228	0.683	1.00439
16	0.312232	2.673055	0.663	1.00533
18	0.318598	2.570641	0.626	1.00685
20	0.323006	2.503941	0.601	1.00802
25	0.326240	2.457042	0.583	1.00894
30	0.328715	2.422611	0.569	1.00968
35	0.330669	2.395459	0.559	1.01029
40	0.332231	2.374123	0.551	1.01079
45	0.333359	2.356775	0.544	1.01122
50	0.334653	2.342531	0.538	1.01159

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.113802	88.639906	4.547	1.07347
1	0.175345	13.430157	2.462	1.02770
2	0.213014	7.7345974	1.802	1.01137
3	0.239473	5.439394	1.480	1.00522
4	0.256907	4.536411	1.288	1.00216
5	0.270914	4.014521	1.160	1.00074
6	0.281940	3.675610	1.069	1.00015
7	0.290858	3.438101	1.000	1.00000
8	0.298227	3.262496	0.946	1.00010
9	0.304422	3.127408	0.903	1.00034
10	0.311426	3.03219	0.838	1.00101
11	0.317499	2.900341	0.791	1.00176
12	0.322763	2.703679	0.756	1.00249
14	0.327373	2.630191	0.723	1.00318
16	0.332291	2.572428	0.706	1.00382
18	0.33613	2.470658	0.663	1.00517
20	0.3438706	2.404319	0.633	1.00623
25	0.352454	2.357641	0.618	1.00708
30	0.355329	2.323006	0.604	1.00778
35	0.357604	2.296284	0.592	1.00835
40	0.359450	2.275040	0.583	1.00883
45	0.360977	2.257743	0.575	1.00932
50	0.362262	2.245592	0.569	1.00959

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.118297	87.868951	4.7533	1.07642
1	0.1882851	13.251735	2.5855	1.03029
2	0.222726	7.224614	1.8997	1.01234
3	0.249892	5.336361	1.5560	1.00665
4	0.269693	4.441883	1.3600	1.00315
5	0.284824	3.924716	1.226	1.00137
6	0.296793	3.588723	1.129	1.00049
7	0.306514	3.353149	1.057	1.00010
8	0.314575	3.178893	1.000	1.00000
10	0.3221374	3.044783	0.954	1.00007
12	0.332221	2.851883	0.885	1.00048
14	0.3340501	2.719785	0.833	1.00103
16	0.3447034	2.623625	0.797	1.00162
18	0.3532324	2.550473	0.768	1.00220
20	0.356696	2.492947	0.744	1.00274
25	0.364905	2.391517	0.700	1.00394
30	0.370637	2.335340	0.671	1.00491
35	0.374870	2.278742	0.650	1.00569
40	0.378123	2.244143	0.634	1.00634
45	0.380703	2.217446	0.621	1.00688
50	0.383793	2.196209	0.611	1.00734
55	0.3864534	2.178914	0.603	1.00773
60	0.3885996	2.164537	0.595	1.00807

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.121997	87.267880	4.9223	1.07882
1	0.189064	13.110973	2.690	1.03246
2	0.230805	7.123313	1.980	1.01557
3	0.259431	5.275430	1.631	1.00797
4	0.280414	4.366387	1.423	1.00411
5	0.296526	3.852631	1.283	1.00205
6	0.309323	3.519042	1.183	1.00092
7	0.319754	3.284909	1.107	1.00034
8	0.328431	3.111643	1.048	1.00007
9	0.335769	2.978237	1.000	1.00000
10	0.347519	2.786237	0.927	1.00018
12	0.356523	2.655465	0.875	1.00057
14	0.363652	2.558813	0.835	1.00103
16	0.369440	2.485859	0.803	1.00150
18	0.374235	2.428455	0.778	1.00197
20	0.383266	2.327170	0.732	1.00302
25	0.389597	2.261028	0.701	1.00390
30	0.394284	2.214422	0.678	1.00462
35	0.397895	2.179805	0.661	1.00523
40	0.400763	2.153067	0.648	1.00574
45	0.403095	2.131797	0.637	1.00617
50	0.405031	2.114469	0.629	1.00654
55	0.406662	2.100080	0.621	1.00687
60				

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

12	CF	C-1	C-2	A-2/A-1	REDUCTION
1	0.127725	86.393161	5.2111	1.08249	
2	0.198742	12.903173	5.8633	1.03532	
3	0.243464	6.985224	2.1116	1.01842	
4	0.274455	5.131833	1.7499	1.01024	
5	0.297376	4.253340	1.5299	1.00588	
6	0.315113	3.744892	1.3811	1.00338	
7	0.329295	3.414169	1.2741	1.00190	
8	0.340922	3.181998	1.1933	1.00101	
9	0.350646	3.010044	1.1300	1.00048	
10	0.358907	2.877543	1.0788	1.00018	
11	0.372213	2.686637	1.0000	1.00000	
12	0.382479	2.555625	0.9433	1.00011	
13	0.390654	2.460073	0.8999	1.00035	
14	0.397323	2.387262	0.8655	1.00066	
15	0.402871	2.329913	0.8337	1.00098	
16	0.413379	2.28579	0.7877	1.00178	
17	0.420795	2.152288	0.7522	1.00250	
18	0.426312	2.115312	0.7227	1.00311	
19	0.430579	2.080727	0.7008	1.00364	
20	0.433979	2.053833	0.6933	1.00409	
21	0.436752	2.033429	0.6811	1.00448	
22	0.439057	2.014977	0.6711	1.00491	
23	0.441003	2.000477	0.6663	1.00511	

CONFIDENCE LEVEL=.9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

14	CF	C-1	C-2	A-2/A-1	REDUCTION
1	0.1331950	85.788621	5.4299	1.08516	
2	0.205930	12.757236	2.9988	1.03853	
3	0.252923	6.834055	2.2255	1.02067	
4	0.285745	5.044834	1.8444	1.01210	
5	0.310186	4.172724	1.6153	1.00741	
6	0.329211	3.667681	1.4600	1.00461	
7	0.344503	3.338949	1.3499	1.00287	
8	0.357099	3.108013	1.2644	1.00176	
9	0.367676	2.936850	1.1977	1.00103	
10	0.376696	2.804866	1.1433	1.00057	
11	0.391294	2.614520	1.0600	1.00011	
12	0.402621	2.483726	1.0000	1.00000	
13	0.411683	2.388224	0.9534	1.00007	
14	0.419105	2.315375	0.9177	1.00023	
15	0.425302	2.257942	0.8887	1.00044	
16	0.437096	2.155324	0.8333	1.00103	
17	0.445467	2.089735	0.7955	1.00161	
18	0.451722	2.0042684	0.7688	1.00213	
19	0.456578	1.9007635	0.7477	1.00258	
20	0.460457	1.7980555	0.7311	1.00298	
21	0.463629	1.758959	0.7133	1.00333	
22	0.466269	1.741344	0.7007	1.00363	
23	0.468504	1.926699	0.6999	1.00391	

CONFIDENCE LEVEL=.9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.135193	85.346558	5.602	1.08719
1	0.211475	12.649334	3.107	1.04057
2	0.260257	6.808769	2.313	1.02247
3	0.294535	4.979845	1.921	1.01365
4	0.320199	4.112329	1.685	1.00671
5	0.340270	3.609692	1.526	1.00570
6	0.356471	3.282335	1.411	1.00377
7	0.369866	3.052221	1.334	1.00249
8	0.381152	2.881560	1.254	1.00152
9	0.390806	2.749882	1.168	1.00103
10	0.406492	2.559810	1.112	1.00035
11	0.418721	2.420036	1.049	1.00007
12	0.428544	2.333434	1.000	1.00000
13	0.436618	2.260511	0.961	1.00005
14	0.443379	2.202933	0.930	1.00016
15	0.449301	2.150092	0.872	1.00057
16	0.455319	2.103397	0.833	1.00103
17	0.461453	2.062603	0.803	1.00146
18	0.467782	2.027130	0.781	1.00185
19	0.474313	2.002396	0.764	1.00220
20	0.481153	1.984437	0.750	1.00251
25	0.488615	1.984437	0.738	1.00279
30	0.491113	1.869569	0.728	1.00304

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.137760	85.009333	5.742	1.08578
1	0.215882	12.556624	3.197	1.04221
2	0.266108	6.750372	2.386	1.02393
3	0.301373	4.929433	1.986	1.01494
4	0.328240	4.065332	1.743	1.00933
5	0.349177	3.564333	1.583	1.00666
6	0.366136	3.238168	1.464	1.00459
7	0.380200	3.009626	1.374	1.00318
8	0.392084	2.833296	1.303	1.00230
9	0.402275	2.706800	1.245	1.00150
10	0.411890	2.616844	1.196	1.00066
11	0.421896	2.558603	1.156	1.00000
12	0.431896	2.519033	1.120	1.00000
13	0.442378	2.491797	1.090	1.00000
14	0.451020	2.473443	1.067	1.00003
15	0.458275	2.461003	1.050	1.00029
16	0.472196	2.459670	1.036	1.00064
17	0.482170	2.461372	1.024	1.00100
18	0.489681	2.465386	1.011	1.00133
19	0.495544	2.478206	1.000	1.00164
20	0.500253	2.495679	0.988	1.00192
25	0.504117	2.483816	0.975	1.00217
30	0.507348	2.482383	0.965	1.00239
35	0.510088		0.954	

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
20				
1	0.139842	84.744339	5.8559	1.09007
2	0.219469	12.500332	3.271	1.04355
3	0.270883	6.704246	2.447	1.02518
4	0.307334	4.889250	2.040	1.01604
5	0.334840	4.027864	1.755	1.01080
6	0.356505	3.528367	1.630	1.00751
7	0.374104	3.202743	1.509	1.00533
8	0.388738	2.973613	1.417	1.00332
9	0.401132	2.803505	1.345	1.00274
10	0.411784	2.672117	1.285	1.00197
11	0.420201	2.572184	1.234	1.00098
12	0.426831	2.491271	1.192	1.00044
14	0.442894	2.351409	1.127	1.00016
16	0.453092	2.251094	1.083	1.00003
20	0.470775	2.124155	1.000	1.00000
30	0.485584	2.021279	0.931	1.00013
35	0.496239	1.953558	0.894	1.00038
40	0.504286	1.905331	0.863	1.00067
45	0.510536	1.869666	0.833	1.00096
50	0.515655	1.841843	0.813	1.00122
55	0.519824	1.819627	0.802	1.00147
59	0.523314	1.801463	0.789	1.00170
60	0.526278	1.786347	0.778	1.00190

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
25				
1	0.143654	84.276825	6.072	1.09240
2	0.226062	12.382983	3.413	1.04603
3	0.279699	6.621391	2.565	1.02751
4	0.318007	4.817112	2.146	1.01816
5	0.347110	3.960360	1.834	1.01270
6	0.370171	3.463167	1.723	1.00921
7	0.389008	3.138752	1.599	1.00635
8	0.404750	2.910252	1.504	1.00517
9	0.418145	2.740442	1.428	1.00394
10	0.429706	2.609131	1.366	1.00303
11	0.440871	2.508335	1.317	1.00233
12	0.448716	2.419083	1.271	1.00173
14	0.463752	2.287823	1.201	1.00103
16	0.475981	2.191336	1.146	1.00057
18	0.486143	2.117766	1.103	1.00029
20	0.494736	2.059373	1.067	1.00013
30	0.511392	1.955447	1.000	1.00000
35	0.523478	1.886818	0.953	1.00007
40	0.532669	1.838013	0.919	1.00022
45	0.539505	1.801493	0.892	1.00040
50	0.544575	1.773106	0.871	1.00058
55	0.548585	1.750397	0.853	1.00076
59	0.552464	1.731810	0.839	1.00093
60	0.555809	1.716313	0.826	1.00109

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
30				
1	0.146242	0.0972310	6.2331	1.09397
2	0.2330559	12.3055691	3.514	1.04774
3	0.285737	6.566545	2.649	1.02515
4	0.325348	4.769191	2.223	1.01668
5	0.355582	3.915383	1.966	1.01410
6	0.379641	3.419620	1.792	1.01050
7	0.399370	3.095915	1.665	1.00802
8	0.415518	2.867743	1.568	1.00623
9	0.430045	2.698055	1.490	1.00491
10	0.442277	2.566753	1.427	1.00390
12	0.462473	2.376455	1.330	1.00250
14	0.478530	2.244836	1.257	1.00161
16	0.491649	2.148139	1.201	1.00103
18	0.502596	2.073956	1.156	1.00064
20	0.511386	2.015150	1.119	1.00038
25	0.529693	1.910301	1.049	1.00007
30	0.543221	1.840372	1.000	1.00000
35	0.553337	1.791389	0.963	1.00004
40	0.561339	1.754279	0.933	1.00014
45	0.567832	1.725383	0.912	1.00025
50	0.573212	1.702242	0.894	1.00039
55	0.577745	1.683271	0.878	1.00051
60	0.581617	1.667435	0.865	1.00063

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
35				
1	0.148114	0.0975835	6.345	1.09510
2	0.233822	12.3250953	3.539	1.04899
3	0.290131	6.5327555	2.713	1.03036
4	0.330707	4.7325049	2.281	1.02082
5	0.361783	3.983230	2.020	1.01517
6	0.386591	3.588473	1.844	1.01149
7	0.406994	3.306523	1.716	1.00894
8	0.424153	3.0837348	1.617	1.00708
9	0.438829	2.8667595	1.539	1.00569
10	0.451585	2.662242	1.475	1.00462
12	0.472690	2.455700	1.376	1.00311
14	0.489552	2.243749	1.302	1.00213
16	0.503371	2.116593	1.245	1.00146
18	0.514941	2.0042143	1.198	1.00100
20	0.524788	1.9830001	1.160	1.00067
25	0.544064	1.8773333	1.089	1.00022
30	0.558226	1.807216	1.038	1.00004
35	0.569107	1.757140	1.000	1.00000
40	0.577746	1.719519	0.970	1.00003
45	0.584782	1.690135	0.947	1.00009
50	0.590627	1.666652	0.927	1.00017
55	0.595565	1.647341	0.911	1.00026
60	0.599792	1.631204	0.897	1.00036

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
40				
1	0.149531	83.559841	6.432	1.09595
2	0.236296	12.210160	3.647	1.04994
3	0.293473	6.458439	2.762	1.03130
4	0.334790	4.709490	2.326	1.02172
5	0.366518	3.859207	2.063	1.01601
6	0.391908	3.365087	1.836	1.01223
7	0.412937	3.042152	1.756	1.00956
8	0.430477	2.814291	1.657	1.00778
9	0.445603	2.644642	1.578	1.00634
10	0.458757	2.513226	1.513	1.00523
11	0.480601	2.322433	1.413	1.00364
12	0.498093	2.150209	1.333	1.00233
14	0.512478	1.923339	1.230	1.00133
16	0.524533	1.793333	1.194	1.00056
20	0.534855	1.553334	1.121	1.00040
25	0.550955	1.352177	1.069	1.00014
30	0.570035	1.178145	1.030	1.00003
35	0.581558	1.073036	1.000	1.00000
40	0.590738	1.069279	0.975	1.00000
45	0.598236	1.066307	0.955	1.00000
50	0.604481	1.063320	0.933	1.00000
55	0.609768	1.061033	0.933	1.00000
60	0.614304	1.060313	0.924	1.00000

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
45				
1	0.150640	83.477774	6.501	1.09661
2	0.233823	12.179333	3.693	1.05063
3	0.296099	6.473333	2.802	1.03200
4	0.338005	4.633333	2.363	1.02244
5	0.370252	3.840483	2.098	1.01659
6	0.396108	3.346333	1.919	1.01293
7	0.417460	3.024173	1.789	1.01002
8	0.435486	2.796333	1.683	1.00833
9	0.450969	2.626723	1.609	1.00688
10	0.464434	2.493243	1.544	1.00544
11	0.486893	2.304260	1.443	1.00400
12	0.504909	2.171737	1.368	1.00299
14	0.519760	2.007411	1.269	1.00200
16	0.532253	1.998333	1.223	1.00154
18	0.542934	1.832333	1.149	1.00093
20	0.556382	1.761083	1.096	1.00029
25	0.579380	1.710040	1.056	1.00000
30	0.591651	1.671332	1.025	1.00000
35	0.601296	1.641316	1.000	1.00000
40	0.609193	1.617339	0.979	1.00000
45	0.615786	1.597459	0.962	1.00000
50	0.621373	1.580813	0.947	1.00000
55	0.626184			1.00000
60				1.00000

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
50				
1	0.151532	83.380767	6.5556	1.00714
2	0.239802	12.153430	3.7311	1.05128
3	0.298217	6.457822	2.8334	1.03264
4	0.340602	4.672777	2.3933	1.02301
5	0.373273	3.825515	2.127	1.01725
6	0.399310	3.32309	1.947	1.01346
7	0.421208	3.009763	1.816	1.01079
8	0.439553	2.782028	1.716	1.00893
9	0.455330	2.612344	1.636	1.00734
10	0.469088	2.480802	1.570	1.00617
12	0.492032	2.289653	1.469	1.00448
14	0.511047	2.156902	1.393	1.00333
16	0.525717	2.059026	1.334	1.00251
18	0.538356	1.993665	1.287	1.00192
20	0.549563	1.93729	1.247	1.00147
25	0.571299	1.816234	1.172	1.00076
30	0.587461	1.744334	1.119	1.00038
35	0.600005	1.693115	1.079	1.00017
40	0.610054	1.654311	1.047	1.00006
45	0.618300	1.623941	1.021	1.00001
50	0.625197	1.599495	1.000	1.00000
55	0.631058	1.579376	0.982	1.00001
60	0.636103	1.562515	0.967	1.00002

CONFIDENCE LEVEL=.9
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55				
1	0.152266	83.301930	6.603	1.09758
2	0.241089	12.132911	3.762	1.05173
3	0.299962	6.443100	2.861	1.03314
4	0.342743	4.660812	2.418	1.02350
5	0.375766	3.813267	2.131	1.01772
6	0.402321	3.320378	1.970	1.01391
7	0.424309	2.937368	1.839	1.01123
8	0.442920	2.770253	1.733	1.00924
9	0.458944	2.600550	1.658	1.00773
10	0.472932	2.468950	1.592	1.00654
12	0.496284	2.277611	1.493	1.00491
14	0.515107	2.144684	1.415	1.00363
16	0.530681	2.046600	1.353	1.00279
18	0.543828	1.971035	1.308	1.00217
20	0.555103	1.910900	1.268	1.00170
25	0.577430	1.802966	1.193	1.00093
30	0.594081	1.730863	1.135	1.00051
35	0.607039	1.679079	1.093	1.00026
40	0.617441	1.639968	1.066	1.00012
45	0.625994	1.609327	1.040	1.00005
50	0.633162	1.584640	1.013	1.00001
55	0.639261	1.564305	1.000	1.00000
60	0.644520	1.547251	0.984	1.00001

CONFIDENCE LEVEL=.9
SHORTEST UNBIASED CONFIDENCE INTERVAL

50 DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.242166	12.115853	3.789	1.05220
3	0.301424	6.430850	2.884	1.03356
4	0.344539	4.650016	2.439	1.02391
5	0.377359	3.803061	2.171	1.01812
6	0.404682	3.310431	1.990	1.01429
7	0.426916	2.988124	1.858	1.01159
8	0.445754	2.760435	1.757	1.00959
9	0.461988	2.590700	1.677	1.00807
10	0.476172	2.459047	1.611	1.00687
12	0.499881	2.267558	1.509	1.00511
14	0.519022	2.134455	1.433	1.00331
16	0.534883	2.036190	1.374	1.00304
18	0.548289	1.960445	1.326	1.00239
20	0.559802	1.900136	1.286	1.00190
25	0.582644	1.751798	1.210	1.00109
30	0.599724	1.715343	1.156	1.00063
35	0.613044	1.667244	1.115	1.00036
40	0.623760	1.627359	1.083	1.00019
45	0.632586	1.596975	1.056	1.00009
50	0.639994	1.572073	1.034	1.00003
55	0.646307	1.551543	1.016	1.00001
60	0.651757	1.534314	1.000	1.00000

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.001544	647.785011	1.0000	.000000
2	0.002183	57.5362219	0.512	.01550
3	0.002500	27.8470000	0.361	.02243
4	0.002670	19.784736	0.291	.04427
5	0.002775	16.236232	0.251	.05230
6	0.002845	14.277613	0.225	.05845
7	0.002894	13.046022	0.208	.06293
8	0.002930	12.034900	0.195	.06633
9	0.002958	11.159271	0.183	.06915
10	0.002980	10.412836	0.173	.07140
11	0.002997	9.744647	0.165	.07434
12	0.003012	9.1403514	0.159	.07734
13	0.003025	8.59719396	0.153	.07933
14	0.003036	8.1482843	0.148	.08072
15	0.003045	7.7998174	0.145	.08192
16	0.003052	7.5076531	0.139	.08409
17	0.003058	7.269499	0.135	.08555
18	0.003063	7.085140	0.132	.08660
19	0.003067	6.9318755	0.130	.08738
20	0.003070	6.8037104	0.128	.08800
25	0.003077	6.3372467	0.127	.08849
30	0.003081	6.020014	0.126	.08890
35	0.003083	5.8276616	0.125	.08923
40	0.003084			
45	0.003085			
50	0.003085			
55	0.003085			
60	0.003085			

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.017380	456.970852	1.952	.01550
3	0.025641	299.000000	1.0000	.000000
4	0.030093	188.432568	0.703	.00398
5	0.032765	122.397747	0.564	.01003
6	0.034316	100.472505	0.484	.01544
7	0.035742	89.139453	0.432	.01991
8	0.036643	80.202237	0.397	.02356
9	0.037335	73.730388	0.371	.02657
10	0.037879	68.315383	0.351	.02908
11	0.038318	63.7002091	0.335	.03119
12	0.038698	59.559170	0.312	.03454
13	0.039051	55.261933	0.296	.03708
14	0.039382	51.6048871	0.284	.03905
15	0.039698	48.388740	0.275	.04064
16	0.040003	45.764037	0.267	.04193
17	0.040298	43.546924	0.255	.04433
18	0.040577	41.72253	0.246	.04598
19	0.040841	40.209888	0.240	.04718
20	0.041091	38.88147	0.236	.04809
25	0.041359	35.183095	0.232	.04881
30	0.041550	32.39517	0.230	.04936
35	0.041624	30.104166	0.227	.04986
40	0.041686	28.074914	0.225	.05026
45				
50				
55				
60				

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.035910	0.075453	2.768	1.03245
1	0.054252	33.229771	1.422	1.00398
2	0.064770	15.439183	1.000	1.00000
3	0.071406	10.680322	0.800	1.00149
4	0.075925	8.602512	0.685	1.00417
5	0.079186	7.461230	0.610	1.00691
6	0.081643	6.745892	0.558	1.00942
7	0.083559	6.257613	0.520	1.01164
8	0.085092	5.903916	0.491	1.01358
9	0.086347	5.636269	0.468	1.01529
10	0.087275	5.458639	0.443	1.01681
11	0.087967	5.330532	0.420	1.01810
12	0.088467	5.237775	0.400	1.01931
13	0.088814	5.168733	0.392	1.02033
14	0.089076	5.116113	0.387	1.02125
15	0.089230	5.073651	0.384	1.02203
16	0.089335	5.037726	0.383	1.02286
17	0.089405	5.006438	0.382	1.02362
18	0.089446	4.979325	0.381	1.02437
19	0.089464	4.956375	0.381	1.02504
20	0.089461	4.937267	0.380	1.02563
21	0.089448	4.921544	0.380	1.02616
22	0.089426	4.908254	0.380	1.02666

CONFIDENCE LEVEL = .95
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.050544	374.465381	3.439	1.04427
1	0.077533	30.520113	1.774	1.01003
2	0.093630	14.004511	1.250	1.00149
3	0.104118	9.664530	1.000	1.00000
4	0.111445	7.687313	0.855	1.00070
5	0.116838	6.635425	0.761	1.00209
6	0.120969	5.976350	0.695	1.00364
7	0.124231	5.526389	0.646	1.00517
8	0.126872	5.201415	0.609	1.00659
9	0.129052	4.955084	0.579	1.00789
10	0.132440	4.607562	0.535	1.01015
11	0.134951	4.374443	0.504	1.01200
12	0.136885	4.207377	0.481	1.01353
13	0.138421	4.081823	0.463	1.01481
14	0.139669	3.994060	0.449	1.01590
15	0.141962	3.913341	0.424	1.01799
16	0.143524	3.817043	0.407	1.01950
17	0.144657	3.627982	0.395	1.02063
18	0.145515	3.571721	0.386	1.02150
19	0.146198	3.528545	0.380	1.02221
20	0.146730	3.494365	0.374	1.02278
21	0.147176	3.466636	0.370	1.02326
22	0.147549	3.443689	0.366	1.02366

CONFIDENCE LEVEL = .95
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.061591	360.339161	3.987	1.05250
1	0.095479	28.971321	2.067	1.01544
2	0.116245	13.170881	1.460	1.00417
3	0.130084	8.973073	1.169	1.00070
4	0.139931	7.146382	1.000	1.00000
5	0.147286	6.144323	0.889	1.00038
6	0.152997	5.517677	0.811	1.00119
7	0.157534	5.089822	0.754	1.00215
8	0.161245	4.779977	0.709	1.00313
9	0.164331	4.545538	0.674	1.00409
10	0.166916	4.421475	0.621	1.00535
11	0.172787	3.992830	0.534	1.00737
12	0.175594	3.32743	0.556	1.00867
13	0.177837	3.714167	0.535	1.00979
14	0.179669	3.621033	0.518	1.01075
15	0.183055	3.458836	0.487	1.01264
16	0.185378	3.354447	0.467	1.01403
17	0.187070	3.231651	0.453	1.01509
18	0.188358	3.227995	0.442	1.01532
19	0.189371	3.186809	0.433	1.01653
20	0.190189	3.154200	0.427	1.01715
25	0.190862	3.127742	0.421	1.01761
30	0.191427	3.105843	0.417	1.01800

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.070040	351.538403	4.437	1.05843
1	0.109416	27.977992	2.313	1.01991
2	0.134026	12.628521	1.639	1.00691
3	0.150706	8.558853	1.314	1.00209
4	0.162739	6.789504	1.124	1.00038
5	0.171828	5.819757	1.000	1.00000
6	0.178940	5.212600	0.912	1.00023
7	0.184657	4.798374	0.847	1.00074
8	0.189353	4.498371	0.796	1.00137
9	0.193282	4.271343	0.756	1.00204
10	0.199489	3.950957	0.696	1.00338
11	0.204155	3.735926	0.653	1.00460
12	0.207804	3.581733	0.622	1.00566
13	0.210732	3.465580	0.597	1.00665
14	0.213134	3.375479	0.577	1.00749
15	0.217599	3.218119	0.542	1.00919
16	0.220680	3.116793	0.518	1.01047
17	0.222935	3.046105	0.501	1.01143
18	0.224657	2.993983	0.489	1.01224
19	0.226015	2.953973	0.479	1.01288
20	0.227113	2.922284	0.471	1.01341
25	0.228019	2.896569	0.465	1.01385
30	0.228780	2.875282	0.460	1.01423

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.076652	345.562509	4.813	1.06292
1	0.120449	27.289057	2.521	1.02356
2	0.148238	12.248425	1.791	1.00942
3	0.167321	8.266601	1.439	1.00364
4	0.181236	6.536507	1.232	1.00119
5	0.191843	5.588472	1.096	1.00023
6	0.200204	4.994909	1.000	1.00000
7	0.206968	4.589914	0.928	1.00015
8	0.212556	4.296547	0.872	1.00049
9	0.217252	4.074502	0.828	1.00092
10	0.224707	3.761041	0.762	1.00190
12	0.230362	3.550572	0.714	1.00287
14	0.234802	3.399591	0.679	1.00377
16	0.238380	3.286033	0.651	1.00459
18	0.241325	3.197532	0.625	1.00532
20	0.246826	3.043272	0.589	1.00684
25	0.250643	2.943886	0.563	1.00800
30	0.253447	2.874520	0.544	1.00892
35	0.255594	2.823358	0.530	1.00966
40	0.257292	2.784066	0.519	1.01026
45	0.258667	2.752942	0.510	1.01077
50	0.259804	2.727679	0.502	1.01119
55	0.260760	2.706763	0.496	1.01156
60				

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.081944	341.279189	5.129	1.06639
1	0.129360	26.784699	2.698	1.02657
2	0.159805	11.967661	1.922	1.01164
3	0.180930	8.049519	1.548	1.00517
4	0.196471	6.347833	1.327	1.00215
5	0.208404	5.415437	1.181	1.00074
6	0.217869	4.831653	1.077	1.00015
7	0.225568	4.433260	1.000	1.00000
8	0.231957	4.144612	0.940	1.00010
9	0.237347	3.926089	0.892	1.00034
10	0.245947	3.617494	0.820	1.00101
12	0.252509	3.410197	0.768	1.00176
14	0.257683	3.261426	0.729	1.00249
16	0.261869	3.149487	0.699	1.00318
18	0.265327	3.062217	0.675	1.00382
20	0.271809	2.910024	0.631	1.00517
25	0.276329	2.811908	0.602	1.00623
30	0.279662	2.743394	0.581	1.00708
35	0.282221	2.692341	0.565	1.00777
40	0.284248	2.654003	0.553	1.00834
45	0.285894	2.623230	0.543	1.00892
50	0.287256	2.598247	0.533	1.00923
55	0.288403	2.577560	0.529	1.00958
60				

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.086265	338.066263	5.398	1.06915
1	0.136689	26.400155	2.851	1.02908
2	0.169379	11.751994	2.038	1.01358
3	0.192255	7.881990	1.643	1.00659
4	0.209206	6.201733	1.410	1.00313
5	0.222303	5.281123	1.256	1.00137
6	0.232745	4.704634	1.146	1.00049
7	0.241277	4.311148	1.064	1.00010
8	0.248386	4.025994	1.000	1.00000
9	0.254404	3.810064	0.949	1.00007
10	0.264048	3.505020	0.872	1.00048
11	0.271442	3.300009	0.816	1.00103
12	0.277296	3.152313	0.775	1.00162
13	0.282049	3.042012	0.742	1.00220
14	0.285984	2.955598	0.716	1.00275
15	0.289339	2.890481	0.699	1.00334
16	0.292358	2.839583	0.683	1.00391
17	0.295041	2.797548	0.667	1.00455
18	0.297537	2.763942	0.657	1.00534
19	0.299771	2.735087	0.654	1.00633
20	0.300962	2.710313	0.657	1.00733
21	0.311205	2.495502	0.565	1.00772
22	0.312557	2.474951	0.557	1.00806

CONFIDENCE LEVEL = .95
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.089855	335.573227	5.630	1.07140
1	0.142814	26.097600	2.985	1.03119
2	0.177422	11.581242	2.139	1.01529
3	0.201813	7.748823	1.727	1.00739
4	0.219996	6.085265	1.484	1.00409
5	0.233411	5.173798	1.323	1.00204
6	0.245429	4.602949	1.208	1.00092
7	0.254706	4.213238	1.121	1.00034
8	0.262463	3.930754	1.054	1.00007
9	0.269049	3.716792	1.000	1.00000
10	0.279644	3.414419	0.919	1.00018
11	0.287803	3.211102	0.860	1.00051
12	0.294285	3.065056	0.816	1.00103
13	0.299564	2.955076	0.781	1.00151
14	0.303946	2.869269	0.753	1.00191
15	0.312225	2.719467	0.703	1.00302
16	0.318046	2.622761	0.669	1.00390
17	0.322364	2.555160	0.645	1.00462
18	0.325697	2.505237	0.626	1.00523
19	0.328347	2.466857	0.612	1.00574
20	0.330504	2.436428	0.600	1.00617
21	0.332295	2.411712	0.591	1.00654
22	0.333806	2.391236	0.583	1.00686

CONFIDENCE LEVEL = .95
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
12	1 0.0954469	3 1.966641	6.009	1.07484
	2 0.152458	2 5.652597	3.206	1.03454
	3 0.190163	1 1.328223	2.307	1.01810
	4 0.217035	7.550567	1.869	1.01015
	5 0.237262	5.911237	1.609	1.00585
	6 0.253103	5.012993	1.437	1.00338
	7 0.265884	4.450245	1.313	1.00190
	8 0.276434	4.065908	1.220	1.00101
	9 0.285305	3.787190	1.147	1.00048
	10 0.292876	3.575978	1.089	1.00018
	12 0.305131	3.277277	1.000	1.00000
	14 0.314640	3.076236	0.936	1.00011
	16 0.322242	2.931695	0.887	1.00035
	18 0.328463	2.822759	0.849	1.00066
	20 0.333653	2.737702	0.819	1.00098
	25 0.343515	2.589047	0.763	1.00178
	30 0.350499	2.492949	0.723	1.00250
	35 0.355708	2.425638	0.697	1.00311
	40 0.359745	2.375939	0.677	1.00364
	45 0.362966	2.337744	0.660	1.00409
	50 0.365596	2.307404	0.647	1.00448
	55 0.367784	2.282746	0.637	1.00482
	60 0.369633	2.262310	0.628	1.00511

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
14	1 0.099650	3 2.491131	6.305	1.07734
	2 0.159695	2 5.341484	3.381	1.03708
	3 0.199787	1 1.149880	2.442	1.02031
	4 0.228600	7.410093	1.984	1.01200
	5 0.250449	5.787433	1.712	1.00737
	6 0.267671	4.898248	1.530	1.00460
	7 0.281645	4.340989	1.400	1.00287
	8 0.293238	3.960253	1.302	1.00176
	9 0.303029	3.684025	1.225	1.00103
	10 0.311420	3.474604	1.163	1.00057
	12 0.325073	3.178238	1.068	1.00011
	14 0.335730	2.978588	1.000	1.00000
	16 0.344293	2.834923	0.948	1.00007
	18 0.351333	2.726562	0.907	1.00023
	20 0.357227	2.641393	0.874	1.00044
	25 0.368487	2.493757	0.813	1.00104
	30 0.376510	2.397865	0.772	1.00161
	35 0.382524	2.330684	0.742	1.00213
	40 0.387201	2.280932	0.719	1.00258
	45 0.390944	2.242712	0.702	1.00298
	50 0.394008	2.212333	0.687	1.00333
	55 0.396562	2.197630	0.675	1.00364
	60 0.398725	2.167146	0.665	1.00391

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.102882	327.691015	6.542	1.07523
2	0.165320	25.111975	3.523	1.03905
3	0.207307	11.017484	2.553	1.02208
4	0.237678	7.305386	2.079	1.01353
5	0.260842	5.694939	1.797	1.00867
6	0.279194	4.812238	1.609	1.00569
7	0.294153	4.258916	1.473	1.00377
8	0.306614	3.880734	1.371	1.00249
9	0.317177	3.606250	1.291	1.00162
10	0.326258	3.398063	1.226	1.00103
12	0.341100	3.103262	1.127	1.00035
14	0.352743	2.904499	1.055	1.00007
16	0.362141	2.761359	1.000	1.00000
18	0.369894	2.653313	0.957	1.00005
20	0.376407	2.568333	0.921	1.00016
25	0.388905	2.420877	0.857	1.00058
30	0.397860	2.324975	0.813	1.00103
35	0.404600	2.257714	0.781	1.00146
40	0.409860	2.207908	0.756	1.00185
45	0.414080	2.169530	0.737	1.00220
50	0.417543	2.139045	0.722	1.00252
55	0.420436	2.114242	0.709	1.00279
60	0.422990	2.093665	0.698	1.00304

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.105454	326.325047	6.736	1.08072
2	0.169816	24.935802	3.640	1.04064
3	0.213340	10.915344	2.646	1.02354
4	0.244988	7.224343	2.159	1.01481
5	0.269239	5.623133	1.869	1.00570
6	0.288534	4.745363	1.675	1.00665
7	0.304318	4.164989	1.536	1.00459
8	0.317512	3.818699	1.430	1.00318
9	0.328730	3.545489	1.347	1.00220
10	0.338401	3.338183	1.280	1.00151
12	0.354263	3.044480	1.177	1.00056
14	0.366762	2.846300	1.103	1.00023
16	0.376887	2.703475	1.045	1.00005
18	0.385269	2.595592	1.000	1.00000
20	0.392328	2.511185	0.963	1.00003
25	0.405931	2.363215	0.895	1.00029
30	0.415724	2.267184	0.849	1.00064
35	0.423122	2.199763	0.815	1.00100
40	0.428913	2.149794	0.789	1.00133
45	0.433572	2.111263	0.769	1.00164
50	0.437403	2.080636	0.752	1.00192
55	0.440609	2.055704	0.738	1.00217
60	0.443331	2.035010	0.727	1.00240

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.107548	25.254097	6.897	1.08192
1	0.173490	24.796364	3.739	1.04193
2	0.218287	10.834170	2.724	1.02475
3	0.251000	7.159766	2.227	1.01590
4	0.276164	5.565798	1.921	1.01075
5	0.296254	4.691874	1.733	1.00749
6	0.312741	4.143781	1.590	1.00532
7	0.326561	3.768940	1.482	1.00382
8	0.338341	3.496693	1.396	1.00275
9	0.348521	3.290053	1.327	1.00197
10	0.356270	2.997128	1.222	1.00098
11	0.378517	2.799339	1.144	1.00044
12	0.389282	2.656699	1.085	1.00016
14	0.399219	2.548887	1.038	1.00003
16	0.405764	2.464484	1.000	1.00000
18	0.420356	2.316389	0.929	1.00001
20	0.430907	2.220162	0.881	1.00003
25	0.438905	2.152536	0.845	1.00006
30	0.445183	2.102374	0.818	1.00009
35	0.450245	2.063664	0.796	1.00012
40	0.454415	2.032378	0.779	1.00014
45	0.457910	2.007802	0.765	1.00017
50	0.460683	1.986979	0.752	1.00019

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.111402	23.375976	7.203	1.08409
1	0.180280	24.548811	3.928	1.04433
2	0.227469	10.689298	2.875	1.02703
3	0.262203	7.044118	2.360	1.01799
4	0.289115	5.462844	2.052	1.01264
5	0.310741	4.595610	1.946	1.00919
6	0.328594	4.051439	1.697	1.00684
7	0.343640	3.679051	1.584	1.00517
8	0.356529	3.408399	1.493	1.00394
9	0.367719	3.202820	1.422	1.00302
10	0.386243	2.911085	1.311	1.00178
11	0.401001	2.713802	1.230	1.00104
12	0.413074	2.571319	1.167	1.00058
14	0.423152	2.463475	1.117	1.00029
16	0.431706	2.378936	1.076	1.00013
18	0.448370	2.230302	1.000	1.00000
20	0.460528	2.133465	0.947	1.00007
25	0.469812	2.065256	0.908	1.00022
30	0.477143	2.014560	0.879	1.00040
35	0.483084	1.975374	0.855	1.00058
40	0.487999	1.944162	0.835	1.00076
45	0.492133	1.918707	0.819	1.00093
50	0.495662	1.897544	0.806	1.00110

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
30 1	0.114032	322.159805	7.419	1.08555
2	0.184937	24.386285	4.063	1.04598
3	0.233794	10.593623	2.984	1.02863
4	0.269954	6.967454	2.457	1.01950
5	0.298112	5.394391	2.141	1.01403
6	0.320843	4.531440	1.930	1.01047
7	0.339687	3.989743	1.777	1.00800
8	0.355630	3.618868	1.661	1.00623
9	0.369338	3.349171	1.569	1.00491
10	0.381278	3.144201	1.494	1.00390
12	0.401131	2.853078	1.380	1.00250
14	0.417038	2.655970	1.295	1.00161
16	0.430112	2.513444	1.230	1.00103
18	0.441076	2.405443	1.178	1.00064
20	0.450418	2.320688	1.135	1.00039
25	0.468721	2.171419	1.056	1.00007
30	0.482173	2.073944	1.000	1.00000
35	0.492506	2.005146	0.955	1.00004
40	0.500705	1.953925	0.927	1.00014
45	0.507377	1.914271	0.901	1.00025
50	0.512916	1.882644	0.881	1.00038
55	0.517531	1.856820	0.863	1.00051
60	0.521591	1.835327	0.849	1.00063

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
35 1	0.115940	321.308932	7.579	1.08660
2	0.189323	24.271451	4.164	1.04718
3	0.238416	10.525751	3.067	1.02932
4	0.275635	6.912914	2.530	1.02063
5	0.304725	5.345536	2.209	1.01509
6	0.328288	4.485603	1.994	1.01145
7	0.347884	3.945601	1.839	1.00892
8	0.364512	3.575743	1.721	1.00708
9	0.378847	3.306669	1.627	1.00569
10	0.391365	3.102079	1.551	1.00462
12	0.412252	2.811292	1.434	1.00311
14	0.429059	2.614218	1.348	1.00213
16	0.442926	2.471576	1.281	1.00146
18	0.454594	2.363384	1.227	1.00100
20	0.464568	2.278399	1.182	1.00067
25	0.484202	2.128510	1.101	1.00022
30	0.498717	2.030433	1.043	1.00004
35	0.509921	1.961089	1.000	1.00000
40	0.518848	1.909381	0.967	1.00003
45	0.526139	1.869296	0.940	1.00009
50	0.532210	1.837285	0.918	1.00017
55	0.537348	1.811119	0.900	1.00026
60	0.541754	1.789321	0.884	1.00036

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
40 1	0.117388	320.680600	7.703	1.08738
2	0.190907	24.186023	4.242	1.04809
3	0.241940	10.475100	3.132	1.03073
4	0.279977	6.872132	2.588	1.02150
5	0.309790	5.309034	2.263	1.01592
6	0.334003	4.451227	2.046	1.01224
7	0.354188	3.912452	1.888	1.00966
8	0.371355	3.543313	1.768	1.00777
9	0.386186	3.274678	1.674	1.00634
10	0.399164	3.070340	1.597	1.00523
12	0.420877	2.779746	1.478	1.00364
14	0.438408	2.582641	1.390	1.00258
16	0.452517	2.439859	1.322	1.00185
18	0.465161	2.331473	1.267	1.00133
20	0.475653	2.246270	1.223	1.00096
25	0.496386	2.095807	1.138	1.00040
30	0.511790	1.997134	1.079	1.00014
35	0.523730	1.927346	1.035	1.00003
40	0.533277	1.875197	1.000	1.00000
45	0.541098	1.834720	0.972	1.00002
50	0.547628	1.802362	0.949	1.00006
55	0.553167	1.775884	0.930	1.00012
60	0.557927	1.753806	0.914	1.00019

CONFIDENCE LEVEL=.95
SHORTTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
45 1	0.118524	320.157773	7.801	1.08800
2	0.192935	24.119996	4.305	1.04881
3	0.244716	10.435853	3.183	1.03146
4	0.283403	6.840486	2.635	1.02221
5	0.313793	5.280635	2.307	1.01659
6	0.338527	4.424489	2.087	1.01288
7	0.359187	3.886642	1.929	1.01026
8	0.376789	3.518049	1.803	1.00834
9	0.392023	3.249725	1.712	1.00688
10	0.405274	3.045562	1.634	1.00574
12	0.427763	2.755079	1.514	1.00409
14	0.445889	2.557914	1.425	1.00298
16	0.460929	2.414989	1.356	1.00220
18	0.473650	2.306420	1.301	1.00164
20	0.484575	2.221015	1.256	1.00123
25	0.506233	2.070033	1.170	1.00059
30	0.522392	1.970921	1.109	1.00025
35	0.534961	1.900640	1.064	1.00009
40	0.545042	1.848095	1.029	1.00002
45	0.553322	1.807266	1.000	1.00000
50	0.560252	1.774592	0.976	1.00001
55	0.566142	1.747832	0.957	1.00005
60	0.571214	1.725501	0.940	1.00009

CONFIDENCE LEVEL=.95
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
50 1	0.119439	319.815230	7.8881	1.08849
2	0.194571	24.067439	4.3355	1.04939
3	0.246958	10.404563	3.2226	1.03204
4	0.286175	6.815217	2.6722	1.02278
5	0.317038	5.257935	2.343	1.01715
6	0.342198	4.403097	2.1222	1.01341
7	0.363248	3.865976	1.9622	1.01077
8	0.381209	3.497801	1.840	1.00832
9	0.396776	3.229715	1.744	1.00733
10	0.410437	3.025680	1.665	1.00617
12	0.433387	2.735261	1.5455	1.00448
14	0.452011	2.538023	1.4555	1.00333
16	0.467498	2.394960	1.386	1.00252
18	0.480622	2.286222	1.330	1.00192
20	0.491913	2.200634	1.284	1.00147
25	0.514350	2.049136	1.197	1.00076
30	0.531168	1.949635	1.136	1.00038
35	0.544281	1.878953	1.089	1.00017
40	0.554828	1.826038	1.053	1.00006
45	0.563510	1.784911	1.024	1.00001
50	0.570791	1.751953	1.000	1.00000
55	0.576992	1.724938	0.980	1.00001
60	0.582340	1.702376	0.962	1.00003

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55 1	0.120192	319.504692	7.947	1.08890
2	0.195918	24.024616	4.339	1.04986
3	0.248809	10.379024	3.261	1.03253
4	0.288464	6.794574	2.705	1.02326
5	0.319719	5.239375	2.373	1.01761
6	0.345236	4.385594	2.151	1.01385
7	0.366612	3.849056	1.990	1.01119
8	0.384875	3.481212	1.868	1.00923
9	0.400721	3.213311	1.771	1.00772
10	0.414643	3.009371	1.692	1.00654
12	0.438069	2.718936	1.571	1.00482
14	0.457716	2.521672	1.481	1.00364
16	0.472983	2.378481	1.411	1.00279
18	0.486451	2.269588	1.354	1.00217
20	0.498057	2.183835	1.308	1.00170
25	0.521184	2.031969	1.220	1.00093
30	0.538555	1.932026	1.158	1.00051
35	0.552145	1.860992	1.112	1.00026
40	0.563100	1.807774	1.075	1.00012
45	0.572137	1.766340	1.045	1.00005
50	0.579731	1.733426	1.021	1.00001
55	0.586208	1.705879	1.000	1.00000
60	0.591803	1.683108	0.982	1.00001

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

60 DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.120822	319.247614	8.003	1.08923
2	0.197048	23.989052	4.435	1.05026
3	0.250360	10.357786	3.292	1.03294
4	0.290386	6.777394	2.733	1.02366
5	0.321974	5.223918	2.399	1.01800
6	0.347792	4.371007	2.176	1.01423
7	0.369445	3.834947	2.014	1.01156
8	0.387964	3.467373	1.892	1.00958
9	0.404048	3.199619	1.794	1.00806
10	0.418194	2.995752	1.715	1.00686
12	0.442026	2.705382	1.593	1.00511
14	0.461436	2.507993	1.503	1.00391
16	0.477631	2.364682	1.432	1.00304
18	0.491398	2.255649	1.376	1.00240
20	0.503277	2.169746	1.329	1.00190
25	0.526997	2.017506	1.241	1.00110
30	0.544862	1.917210	1.178	1.00063
35	0.558871	1.845857	1.131	1.00036
40	0.570188	1.792350	1.094	1.00019
45	0.579542	1.750658	1.064	1.00009
50	0.587414	1.717210	1.039	1.00003
55	0.594139	1.689753	1.018	1.00001
60	0.599955	1.666791	1.000	1.00000

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.000386	593.157058	1.000	1.00000
2	0.000551	117.518342	0.506	1.01334
3	0.000634	46.324771	0.350	1.02856
4	0.000681	29.941493	0.277	1.03945
5	0.000710	23.293546	0.236	1.04712
6	0.000729	19.798581	0.210	1.05270
7	0.000743	17.671127	0.191	1.05690
8	0.000753	16.249369	0.178	1.06016
9	0.000760	15.235697	0.168	1.06275
10	0.000767	14.478093	0.160	1.06487
12	0.000775	13.422602	0.149	1.06810
14	0.000781	12.725222	0.141	1.07045
16	0.000786	12.231405	0.135	1.07222
18	0.000789	11.862426	0.131	1.07362
20	0.000792	11.576903	0.127	1.07474
25	0.000797	11.083555	0.121	1.07677
30	0.000800	10.768753	0.117	1.07814
35	0.000802	10.550619	0.114	1.07912
40	0.000804	10.390452	0.112	1.07985
45	0.000805	10.267936	0.111	1.08043
50	0.000806	10.171180	0.109	1.08089
55	0.000807	10.092895	0.108	1.08126
60	0.000808	10.028141	0.107	1.08158

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.008509	1814.470236	1.975	1.01334
3	0.012653	78.993390	1.000	1.00000
4	0.014969	30.360227	0.691	1.00369
5	0.016379	19.235936	0.545	1.00541
6	0.017310	14.835643	0.462	1.01459
7	0.017963	12.500652	0.408	1.01889
8	0.018445	11.083573	0.372	1.02243
9	0.018813	10.138437	0.343	1.02534
10	0.019102	9.465788	0.324	1.02777
12	0.019336	8.963631	0.308	1.02981
14	0.019689	8.265831	0.284	1.03206
16	0.019943	7.804932	0.268	1.03351
18	0.020124	7.478327	0.256	1.03474
20	0.020282	7.235001	0.247	1.03589
25	0.020401	7.046301	0.239	1.04020
30	0.020615	6.721894	0.226	1.04252
35	0.020758	6.514763	0.218	1.04411
40	0.020860	6.371263	0.212	1.04526
45	0.020936	6.266003	0.207	1.04614
50	0.020995	6.185504	0.204	1.04683
55	0.021042	6.121956	0.201	1.04733
55	0.021081	6.070515	0.199	1.04784
60	0.021113	6.028024	0.197	1.04823

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.021587	1576.114013	2.854	1.02856
1	0.032938	66.804809	1.447	1.00369
2	0.039654	25.218272	1.000	1.00000
3	0.043963	15.831692	0.788	1.00144
4	0.046923	12.064265	0.666	1.00404
5	0.049068	10.097497	0.587	1.00671
6	0.050688	8.906158	0.533	1.00917
7	0.051952	8.112715	0.493	1.01135
8	0.052964	7.548531	0.462	1.01327
9	0.053793	7.127757	0.438	1.01494
10	0.055066	6.542447	0.403	1.01770
12	0.055998	6.157871	0.378	1.01987
14	0.056709	5.884810	0.360	1.02162
16	0.057269	5.681466	0.346	1.02304
18	0.057721	5.524247	0.335	1.02423
20	0.058544	5.252937	0.315	1.02647
25	0.059100	5.080052	0.302	1.02804
30	0.059500	4.960313	0.292	1.02920
35	0.059802	4.872300	0.286	1.03009
40	0.060037	4.805354	0.281	1.03080
45	0.060226	4.752353	0.277	1.03137
50	0.060381	4.709455	0.273	1.03184
55	0.060511	4.674024	0.271	1.03224
60				

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.033399	1467.943355	3.606	1.03945
1	0.051824	61.053367	1.834	1.00941
2	0.063164	22.746383	1.269	1.00144
3	0.070685	14.147177	1.000	1.00000
4	0.075991	10.706317	0.844	1.00069
5	0.079913	8.913446	0.744	1.00205
6	0.082936	7.328815	0.674	1.00359
7	0.085325	7.107077	0.622	1.00509
8	0.087261	6.594205	0.582	1.00650
9	0.088861	6.211832	0.551	1.00779
10	0.091350	5.681223	0.505	1.01002
12	0.093196	5.331221	0.473	1.01186
14	0.094619	5.083425	0.449	1.01337
16	0.095748	4.898933	0.430	1.01464
18	0.096666	4.756310	0.416	1.01572
20	0.098352	4.510230	0.390	1.01773
25	0.099501	4.353444	0.373	1.01927
30	0.100333	4.244864	0.361	1.02038
35	0.100964	4.165238	0.353	1.02125
40	0.101459	4.104355	0.345	1.02184
45	0.101857	4.056297	0.339	1.02250
50	0.102185	4.017401	0.335	1.02297
55	0.102459	3.985275	0.331	1.02337
60				

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.042931	08.287555	4.239	1.04712
1	0.067405	57.770407	2.165	1.01459
2	0.082889	21.311510	1.502	1.00404
3	0.093403	13.159452	1.184	1.00069
4	0.100963	9.904623	1.000	1.00000
5	0.106647	8.210916	0.880	1.00038
6	0.111072	7.187137	0.797	1.00117
7	0.114612	6.506270	0.735	1.00213
8	0.117507	6.022626	0.687	1.00311
9	0.119918	5.662184	0.650	1.00406
10	0.123703	5.162021	0.594	1.00581
12	0.126539	4.332137	0.555	1.00732
14	0.128742	4.398594	0.526	1.00862
16	0.130502	4.424857	0.503	1.00972
18	0.131941	4.290471	0.486	1.01069
20	0.134602	4.058597	0.454	1.01256
25	0.136428	3.910852	0.433	1.01393
30	0.137759	3.808524	0.413	1.01493
35	0.138772	3.733478	0.407	1.01581
40	0.139569	3.676094	0.393	1.01644
45	0.140212	3.630796	0.391	1.01702
50	0.140742	3.594131	0.386	1.01747
55	0.141187	3.563346	0.381	1.01736
60				

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.050509	1371.195345	4.772	1.03270
1	0.079996	55.668747	2.448	1.01839
2	0.099034	20.379935	1.703	1.00671
3	0.112190	12.512787	1.344	1.00205
4	0.121789	9.376703	1.136	1.00038
5	0.129094	7.746307	1.000	1.00000
6	0.134837	6.761349	0.905	1.00033
7	0.139470	6.106523	0.834	1.00073
8	0.143297	5.641478	0.780	1.00136
9	0.146485	5.294936	0.736	1.00203
10	0.151545	4.814099	0.672	1.00337
12	0.155366	4.497011	0.627	1.00450
14	0.158355	4.272527	0.593	1.00567
16	0.160756	4.105395	0.567	1.00663
18	0.162728	3.976162	0.547	1.00747
20	0.166395	3.753159	0.509	1.00916
25	0.158923	3.611035	0.485	1.01042
30	0.170784	3.312582	0.468	1.01141
35	0.172201	3.440363	0.454	1.01218
40	0.173319	3.385138	0.444	1.01232
45	0.174223	3.341537	0.436	1.01234
50	0.174970	3.306242	0.430	1.01273
55	0.175596	3.277087	0.424	1.01416
60				

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.056589	1346.181111	5.224	1.05690
1	0.090224	54.216270	2.692	1.02243
2	0.112232	19.728690	1.877	1.00917
3	0.127733	12.057471	1.485	1.00353
4	0.139137	9.003180	1.255	1.00117
5	0.147899	7.416373	1.106	1.00023
6	0.154844	6.458110	1.000	1.00000
7	0.160485	5.821162	0.922	1.00015
8	0.165160	5.368853	0.861	1.00049
9	0.169097	5.031814	0.813	1.00092
10	0.175364	4.564145	0.742	1.00190
12	0.180132	4.255706	0.691	1.00287
14	0.183382	4.033731	0.653	1.00377
16	0.186908	3.874677	0.624	1.00453
18	0.189402	3.748919	0.601	1.00531
20	0.194066	3.531940	0.559	1.00632
25	0.197307	3.333446	0.531	1.00799
30	0.199690	3.297350	0.511	1.00890
35	0.201517	3.227194	0.496	1.00963
40	0.202961	3.173378	0.485	1.01023
45	0.204132	3.130835	0.475	1.01073
50	0.205100	3.096482	0.468	1.01116
55	0.205914	3.068061	0.462	1.01152

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.061541	1328.296366	5.609	1.06016
1	0.098634	53.156031	2.902	1.02534
2	0.123263	19.248686	2.029	1.01133
3	0.140705	11.719925	1.608	1.00509
4	0.153698	8.725123	1.361	1.00213
5	0.163759	7.169997	1.199	1.00073
6	0.171737	6.231101	1.085	1.00015
7	0.178345	5.607396	1.000	1.00000
8	0.183807	5.163996	0.934	1.00010
9	0.188427	4.833793	0.882	1.00034
10	0.195821	4.375575	0.804	1.00101
12	0.201480	4.073311	0.748	1.00176
14	0.205952	3.859243	0.707	1.00249
16	0.209576	3.699794	0.675	1.00313
18	0.212574	3.576474	0.649	1.00382
20	0.218204	3.362539	0.603	1.00516
25	0.222136	3.227730	0.572	1.00622
30	0.225039	3.133595	0.550	1.00707
35	0.227270	3.064312	0.533	1.00776
40	0.229039	3.011657	0.520	1.00833
45	0.230475	2.969915	0.510	1.00880
50	0.231664	2.936115	0.502	1.00921
55	0.232666	2.908138	0.495	1.00956

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
9 1	0.065635	13 14.935398	5.942	1.06275
2	0.105644	52.349942	3.086	1.02777
3	0.132476	18.880728	2.163	1.01327
4	0.151648	11.459886	1.717	1.00650
5	0.166041	8.510168	1.455	1.00311
6	0.177259	6.979012	1.283	1.00136
7	0.186260	6.054746	1.161	1.00049
8	0.193649	5.440493	1.070	1.00010
9	0.199828	5.004298	1.000	1.00000
10	0.205075	4.679234	0.944	1.00007
12	0.213511	4.228068	0.860	1.00048
14	0.220002	3.930383	0.800	1.00103
16	0.225154	3.719504	0.753	1.00163
18	0.229345	3.562392	0.720	1.00220
20	0.232821	3.440850	0.692	1.00275
25	0.239376	3.230910	0.642	1.00354
30	0.243977	3.096950	0.609	1.00490
35	0.247385	3.004062	0.585	1.00560
40	0.250011	2.935873	0.567	1.00633
45	0.252097	2.883689	0.553	1.00637
50	0.253794	2.842467	0.541	1.00732
55	0.255202	2.809093	0.532	1.00771
60	0.256389	2.781495	0.524	1.00805

CONFIDENCE LEVEL=.975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10 1	0.069070	13 04.606572	6.231	1.06487
2	0.111561	51.717254	3.247	1.02981
3	0.140297	18.589940	2.282	1.01484
4	0.160982	11.253512	1.914	1.00779
5	0.176610	8.339053	1.539	1.00406
6	0.188260	6.826626	1.358	1.00203
7	0.198735	5.913764	1.230	1.00092
8	0.206877	5.307094	1.134	1.00034
9	0.213710	4.876259	1.059	1.00007
10	0.219531	4.555150	1.000	1.00000
12	0.228929	4.109419	0.911	1.00013
14	0.236193	3.815232	0.847	1.00057
16	0.241981	3.606773	0.799	1.00103
18	0.246705	3.451422	0.762	1.00151
20	0.250633	3.331211	0.732	1.00197
25	0.258070	3.123491	0.673	1.00302
30	0.263312	2.950883	0.642	1.00390
35	0.267207	2.838895	0.616	1.00462
40	0.270216	2.731344	0.597	1.00523
45	0.272611	2.770634	0.582	1.00573
50	0.274563	2.738777	0.569	1.00616
55	0.276183	2.705682	0.559	1.00654
60	0.277551	2.678323	0.551	1.00696

CONFIDENCE LEVEL=.975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
12 1	0.074495	1289.736597	6.708	1.06810
2	0.120980	50.789583	3.517	1.03306
3	0.152825	18.160045	2.482	1.01770
4	0.176013	10.946859	1.980	1.01002
5	0.193723	8.083861	1.683	1.00531
6	0.207723	6.598712	1.487	1.00337
7	0.219099	5.702409	1.348	1.00190
8	0.228541	5.106706	1.244	1.00101
9	0.236515	4.683591	1.163	1.00048
10	0.243343	4.368172	1.098	1.00018
12	0.254443	3.930146	1.000	1.00000
14	0.263092	3.640880	0.930	1.00011
16	0.270029	3.435787	0.877	1.00035
18	0.275722	3.282855	0.835	1.00066
20	0.280479	3.164454	0.802	1.00098
25	0.289543	2.959696	0.742	1.00179
30	0.295981	2.828841	0.701	1.00250
35	0.300792	2.737992	0.672	1.00312
40	0.304526	2.671229	0.650	1.00364
45	0.307508	2.620093	0.633	1.00409
50	0.309545	2.579669	0.619	1.00448
55	0.311975	2.546910	0.607	1.00482
60	0.313691	2.519823	0.598	1.00511

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
14 1	0.078578	1279.589296	7.084	1.07045
2	0.128124	50.143375	3.733	1.03551
3	0.152594	17.357838	2.645	1.01987
4	0.187574	10.730071	2.115	1.01136
5	0.206946	7.902712	1.802	1.00733
6	0.222370	6.436400	1.595	1.00459
7	0.234979	5.551483	1.447	1.00237
8	0.245501	4.963280	1.336	1.00176
9	0.254428	4.545410	1.250	1.00103
10	0.262107	4.233825	1.180	1.00057
12	0.274659	3.800947	1.076	1.00011
14	0.284502	3.514909	1.000	1.00000
16	0.292441	3.311981	0.943	1.00007
18	0.298985	3.160578	0.898	1.00023
20	0.304477	3.043296	0.862	1.00044
25	0.314998	2.840308	0.796	1.00104
30	0.322520	2.710445	0.752	1.00161
35	0.328170	2.620204	0.719	1.00213
40	0.332572	2.553840	0.695	1.00259
45	0.336099	2.502977	0.676	1.00293
50	0.338990	2.462748	0.661	1.00323
55	0.341402	2.430131	0.648	1.00364
60	0.343446	2.403152	0.638	1.00391

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
16	1	12	7.389	1.07222
	2	49.668074	3.909	1.03742
	3	17.633971	2.779	1.02162
	4	10.568772	2.229	1.01237
	5	7.767494	1.902	1.00862
	6	6.314928	1.685	1.00567
	7	5.438285	1.531	1.00377
	8	4.855504	1.415	1.00249
	9	4.441401	1.324	1.00163
	10	4.132550	1.251	1.00103
	12	3.703299	1.141	1.00035
	14	3.419434	1.061	1.00007
	16	3.218033	1.000	1.00000
	18	3.067640	0.952	1.00005
	20	2.951073	0.914	1.00016
	25	2.749174	0.843	1.00058
	30	2.619368	0.796	1.00103
	35	2.529934	0.761	1.00146
	40	2.463746	0.735	1.00186
	45	2.412986	0.714	1.00221
	50	2.372817	0.697	1.00252
	55	2.340234	0.684	1.00280
	60	2.313271	0.672	1.00304

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
18	1	12	7.639	1.07362
	2	49.304114	4.056	1.03895
	3	17.461568	2.892	1.02304
	4	10.444113	2.323	1.01464
	5	7.662713	1.936	1.00972
	6	6.220605	1.763	1.00663
	7	5.350227	1.603	1.00458
	8	4.771531	1.482	1.00318
	9	4.360250	1.388	1.00220
	10	4.053432	1.312	1.00151
	12	3.626846	1.197	1.00066
	14	3.344647	1.114	1.00023
	16	3.144216	1.050	1.00005
	18	2.994512	1.000	1.00000
	20	2.878425	0.959	1.00003
	25	2.677188	0.885	1.00029
	30	2.548176	0.835	1.00064
	35	2.458368	0.798	1.00100
	40	2.392223	0.770	1.00134
	45	2.341467	0.748	1.00164
	50	2.301277	0.730	1.00192
	55	2.268562	0.715	1.00217
	60	2.241661	0.703	1.00240

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
20				
1	0.086379	1262.360486	7.849	1.07474
2	0.141908	49.016632	4.190	1.04020
3	0.181020	17.324756	2.987	1.02423
4	0.210247	10.344903	2.405	1.01572
5	0.233075	7.579152	2.059	1.01068
6	0.251499	6.145242	1.830	1.00747
7	0.266744	5.279765	1.665	1.00531
8	0.279605	4.704249	1.541	1.00382
9	0.290626	4.295151	1.444	1.00275
10	0.300191	3.989893	1.366	1.00197
12	0.316010	3.565330	1.247	1.00098
14	0.328591	3.294324	1.160	1.00044
16	0.338859	3.034637	1.094	1.00016
18	0.347412	2.935414	1.042	1.00003
20	0.354655	2.819644	1.000	1.00000
25	0.368711	2.618808	0.922	1.00013
30	0.378916	2.489926	0.869	1.00039
35	0.386674	2.400133	0.831	1.00067
40	0.392777	2.333953	0.801	1.00096
45	0.397707	2.283135	0.778	1.00123
50	0.401774	2.242876	0.759	1.00147
55	0.405186	2.210189	0.743	1.00170
60	0.408092	2.183118	0.730	1.00191

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
25				
1	0.090224	1254.791697	8.250	1.07677
2	0.148768	48.507619	4.420	1.04252
3	0.190370	17.081060	3.174	1.02647
4	0.221713	10.167521	2.565	1.01779
5	0.246391	7.429319	2.203	1.01256
6	0.266442	6.009306	1.963	1.00916
7	0.283139	5.152381	1.790	1.00682
8	0.297306	4.582373	1.660	1.00516
9	0.309510	4.177322	1.557	1.00394
10	0.320155	3.874916	1.474	1.00302
12	0.337873	3.453716	1.348	1.00179
14	0.352075	3.174621	1.256	1.00104
16	0.363746	2.976065	1.186	1.00058
18	0.373526	2.827521	1.130	1.00023
20	0.381853	2.712153	1.084	1.00013
25	0.398140	2.511678	1.000	1.00000
30	0.410078	2.382735	0.942	1.00007
35	0.419224	2.292723	0.899	1.00022
40	0.426464	2.226268	0.867	1.00040
45	0.432343	2.175164	0.841	1.00058
50	0.437214	2.134526	0.820	1.00076
55	0.441518	2.101675	0.802	1.00093
60	0.444823	2.074357	0.788	1.00110

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
30 1	0.092861	1249.917005	8.535	1.07814
2	0.153498	48.174467	4.593	1.04411
3	0.196848	16.920485	3.310	1.02804
4	0.229703	10.050151	2.683	1.01927
5	0.255699	7.329864	2.310	1.01393
6	0.276929	5.919669	2.062	1.01042
7	0.294686	5.068242	1.884	1.00799
8	0.309815	4.501740	1.749	1.00622
9	0.322898	4.098745	1.643	1.00490
10	0.334349	3.757779	1.557	1.00390
12	0.353502	3.378598	1.426	1.00250
14	0.368943	3.100582	1.331	1.00161
16	0.381699	2.902606	1.257	1.00103
18	0.392433	2.754353	1.193	1.00064
20	0.401618	2.639109	1.150	1.00039
25	0.419686	2.438358	1.062	1.00007
30	0.433030	2.309308	1.000	1.00000
35	0.443317	2.218923	0.933	1.00004
40	0.451502	2.152030	0.920	1.00014
45	0.458178	2.100326	0.892	1.00025
50	0.463730	2.059753	0.863	1.00038
55	0.468422	2.026494	0.850	1.00051
60	0.472442	1.998395	0.834	1.00063

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
35 1	0.094781	1246.520143	8.747	1.07912
2	0.156953	47.939593	4.723	1.04526
3	0.201600	16.806741	3.413	1.02920
4	0.235579	9.956764	2.773	1.02038
5	0.262569	7.259043	2.392	1.01498
6	0.284691	5.855362	2.135	1.01141
7	0.303255	5.007755	1.957	1.00890
8	0.319122	4.443670	1.819	1.00707
9	0.332883	4.042282	1.711	1.00569
10	0.344959	3.742418	1.623	1.00463
12	0.365231	3.324556	1.489	1.00319
14	0.381650	3.047200	1.390	1.00213
16	0.395267	2.849337	1.314	1.00146
18	0.406774	2.701402	1.254	1.00100
20	0.416644	2.596157	1.204	1.00067
25	0.436163	2.385358	1.112	1.00022
30	0.450669	2.235722	1.048	1.00004
35	0.461909	2.164927	1.000	1.00000
40	0.470892	2.097698	0.963	1.00003
45	0.478245	2.045365	0.934	1.00009
50	0.484330	2.004654	0.910	1.00017
55	0.489580	1.971086	0.890	1.00026
60	0.494045	1.943206	0.873	1.00036

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
40 1	0.096242	1244.019405	8.912	1.07985
2	0.159591	47.765169	4.824	1.04614
3	0.205233	16.721965	3.494	1.03009
4	0.240082	9.904474	2.844	1.02125
5	0.267847	7.206051	2.458	1.01581
6	0.290667	5.807173	2.200	1.01219
7	0.309867	4.962371	2.015	1.00963
8	0.326316	4.400048	1.875	1.00776
9	0.340614	3.999820	1.763	1.00633
10	0.353189	3.700742	1.676	1.00523
12	0.374360	3.283795	1.535	1.00364
14	0.391567	3.006863	1.439	1.00259
16	0.405386	2.809377	1.361	1.00186
18	0.418021	2.661271	1.299	1.00134
20	0.428458	2.545972	1.248	1.00096
25	0.449182	2.344861	1.154	1.00040
30	0.464664	2.214328	1.088	1.00014
35	0.476713	2.123628	1.038	1.00003
40	0.486377	2.056016	1.000	1.00000
45	0.494314	2.003329	0.969	1.00002
50	0.500354	1.962295	0.944	1.00006
55	0.506595	1.928434	0.923	1.00012
60	0.511451	1.900286	0.905	1.00019

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
45 1	0.097390	1242.102431	9.043	1.08043
2	0.161668	47.630536	4.903	1.04633
3	0.208101	16.656348	3.559	1.03080
4	0.243644	9.856178	2.901	1.02194
5	0.272028	7.164909	2.511	1.01647
6	0.295409	5.769718	2.250	1.01282
7	0.315122	4.927060	2.063	1.01033
8	0.332043	4.366077	1.922	1.00833
9	0.346778	3.966723	1.810	1.00687
10	0.359760	3.668230	1.720	1.00573
12	0.381666	3.251948	1.581	1.00409
14	0.399524	2.975310	1.479	1.00298
16	0.414424	2.777913	1.400	1.00221
18	0.427083	2.629792	1.338	1.00164
20	0.437994	2.514414	1.283	1.00123
25	0.459736	2.312973	1.189	1.00058
30	0.476049	2.182559	1.122	1.00035
35	0.488791	2.090978	1.071	1.00009
40	0.499045	2.023007	1.032	1.00002
45	0.507488	1.970490	1.000	1.00000
50	0.514570	1.928655	0.974	1.00001
55	0.520600	1.894520	0.952	1.00003
60	0.525799	1.866123	0.934	1.00009

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.098317	40.586575	9.150	1.08089
1	0.163347	47.523485	4.972	1.04738
2	0.210422	16.604059	3.613	1.03137
3	0.246530	9.817639	2.949	1.02250
4	0.275422	7.132042	2.555	1.01702
5	0.299264	5.739770	2.292	1.01334
6	0.319399	4.898803	2.103	1.01073
7	0.336710	4.338871	1.960	1.00880
8	0.351807	3.940198	1.848	1.00732
9	0.365126	3.642157	1.756	1.00616
10	0.387647	3.226375	1.616	1.00448
12	0.406051	2.949941	1.513	1.00333
14	0.421440	2.752591	1.434	1.00252
16	0.434541	2.604430	1.370	1.00192
18	0.445856	2.488964	1.318	1.00147
20	0.468466	2.287209	1.220	1.00076
25	0.485495	2.156429	1.151	1.00038
30	0.493839	2.064494	1.099	1.00017
35	0.509607	1.996192	1.059	1.00006
40	0.518496	1.943371	1.027	1.00001
45	0.525967	1.901258	1.000	1.00000
50	0.532341	1.866870	0.978	1.00001
55	0.537347	1.838243	0.953	1.00003

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.099080	1239.358072	9.239	1.08126
1	0.164731	47.436334	5.027	1.04784
2	0.212339	16.561414	3.658	1.03184
3	0.248917	9.786171	2.989	1.02297
4	0.278231	7.105183	2.552	1.01747
5	0.302458	5.715273	2.327	1.01378
6	0.322947	4.875678	2.137	1.01116
7	0.340586	4.316592	1.993	1.00921
8	0.355988	3.918464	1.880	1.00771
9	0.369593	3.620781	1.788	1.00654
10	0.392633	3.205337	1.647	1.00482
12	0.411500	2.929098	1.543	1.00364
14	0.427308	2.731767	1.463	1.00280
16	0.440788	2.583557	1.398	1.00217
18	0.452450	2.468000	1.345	1.00170
20	0.475811	2.265941	1.246	1.00093
25	0.493463	2.134827	1.176	1.00051
30	0.507334	2.042567	1.124	1.00026
35	0.518556	1.973962	1.083	1.00012
40	0.527838	1.920861	1.050	1.00005
45	0.535656	1.878494	1.023	1.00001
50	0.542337	1.843873	1.000	1.00000
55	0.548117	1.815032	0.980	1.00001

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
60 1	0.099719	1238.342516	9.314	1.08158
2	0.165892	47.364009	5.075	1.04823
3	0.213948	16.525970	3.696	1.03224
4	0.250924	9.759993	3.023	1.02337
5	0.280596	7.082823	2.623	1.01786
6	0.305149	5.694875	2.357	1.01416
7	0.325939	4.856403	2.166	1.01152
8	0.343857	4.298013	2.021	1.00856
9	0.359519	3.900330	1.907	1.00805
10	0.373367	3.602937	1.815	1.00686
12	0.396853	3.187851	1.673	1.00511
14	0.416120	2.911668	1.568	1.00391
16	0.432288	2.714340	1.488	1.00304
18	0.446098	2.566074	1.423	1.00240
20	0.458060	2.450429	1.370	1.00191
25	0.482077	2.248086	1.270	1.00110
30	0.500276	2.116664	1.199	1.00063
35	0.514613	2.024106	1.146	1.00036
40	0.526236	1.955222	1.105	1.00019
45	0.535870	1.901866	1.071	1.00009
50	0.543998	1.859264	1.043	1.00003
55	0.550954	1.824429	1.020	1.00001
60	0.556581	1.795393	1.000	1.00000

CONFIDENCE LEVEL=.975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
1				
1	0.0000062	16210.722709	1.0000	1.000000
2	0.0000089	297.509443	0.5002	1.011114
3	0.000103	88.373759	0.342	1.024399
4	0.000111	50.084764	0.266	1.03416
5	0.000116	36.180658	0.223	1.04116
6	0.000119	29.339240	0.196	1.04630
7	0.000122	25.353713	0.177	1.05018
8	0.000124	22.773743	0.163	1.05320
9	0.000125	20.975658	0.153	1.05561
10	0.000126	19.657099	0.145	1.05757
11	0.000128	17.858370	0.133	1.06057
12	0.000129	16.691861	0.125	1.06274
13	0.000129	15.876447	0.119	1.06439
14	0.000130	15.275362	0.115	1.06568
15	0.000130	14.814979	0.111	1.06672
20	0.000131	14.026143	0.105	1.06860
30	0.000132	13.526613	0.101	1.06936
35	0.000132	13.187229	0.098	1.07076
40	0.000132	12.938175	0.096	1.07144
45	0.000133	12.747504	0.094	1.07197
50	0.000133	12.598493	0.093	1.07239
55	0.000133	12.477342	0.092	1.07273
60	0.000133	12.377336	0.091	1.07302

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2				
1	0.003361	11286.961134	1.990	1.01114
2	0.005025	199.000000	1.000	1.000000
3	0.005930	57.537220	0.681	1.00331
4	0.006574	32.0009353	0.529	1.00858
5	0.006970	22.919110	0.442	1.01344
6	0.007250	18.322340	0.386	1.01752
7	0.007436	15.713739	0.348	1.02088
8	0.007613	14.029301	0.320	1.02366
9	0.007737	12.359094	0.299	1.02598
10	0.007837	12.001996	0.282	1.02794
12	0.007938	10.835111	0.258	1.03105
14	0.008036	10.080630	0.241	1.03340
16	0.008177	9.554129	0.229	1.03522
19	0.008240	9.166390	0.219	1.03669
20	0.008290	8.869203	0.212	1.03788
25	0.008330	8.361834	0.199	1.04009
30	0.008440	8.042240	0.190	1.04160
35	0.008483	7.822622	0.184	1.04270
40	0.008515	7.662483	0.180	1.04354
45	0.008539	7.540555	0.176	1.04419
50	0.008556	7.444650	0.174	1.04472
55	0.008575	7.367232	0.171	1.04516
60	0.008589	7.303436	0.170	1.04552

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3				
1	0.011316	9736.337915	2.921	1.02439
2	0.017380	167.231667	1.469	1.00331
3	0.021067	47.467228	1.000	1.00000
4	0.023477	26.061694	0.776	1.00135
5	0.025149	18.399035	0.647	1.00383
6	0.026357	14.664150	0.554	1.00641
7	0.027289	12.503359	0.507	1.00880
8	0.028010	11.110334	0.465	1.01092
9	0.028537	10.144997	0.433	1.01278
10	0.029060	9.438431	0.408	1.01441
12	0.029785	8.477785	0.372	1.01710
14	0.030316	7.857545	0.346	1.01922
16	0.030721	7.425166	0.327	1.02092
18	0.031039	7.107000	0.313	1.02231
20	0.031296	6.863292	0.302	1.02346
25	0.031763	6.447543	0.282	1.02564
30	0.032078	6.185885	0.269	1.02716
35	0.032304	6.006182	0.259	1.02829
40	0.032474	5.875200	0.252	1.02915
45	0.032607	5.775513	0.247	1.02983
50	0.032714	5.697111	0.243	1.03039
55	0.032801	5.633842	0.240	1.03085
60	0.032874	5.581715	0.237	1.03123

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4				
1	0.019966	9021.696223	3.753	1.03416
2	0.031240	152.112687	1.892	1.00858
3	0.038370	42.554480	1.289	1.00135
4	0.043133	23.154502	1.000	1.00000
5	0.046623	16.224148	0.833	1.00066
6	0.049132	12.855414	0.726	1.00199
7	0.051155	10.910196	0.651	1.00349
8	0.052720	9.658411	0.596	1.00497
9	0.053991	8.791052	0.555	1.00635
10	0.055042	8.157097	0.522	1.00752
12	0.056678	7.295963	0.474	1.00982
14	0.057891	6.740504	0.440	1.01163
16	0.058827	6.353545	0.415	1.01312
18	0.059569	6.068946	0.396	1.01437
20	0.060172	5.851035	0.381	1.01542
25	0.061280	5.479474	0.354	1.01746
30	0.062034	5.245757	0.337	1.01891
35	0.062581	5.085267	0.324	1.02001
40	0.062995	4.968331	0.315	1.02085
45	0.063319	4.879349	0.308	1.02153
50	0.063580	4.806378	0.302	1.02208
55	0.063795	4.752919	0.298	1.02254
60	0.063974	4.706404	0.294	1.02293

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.027639	8625.705206	4.478	1.04116
1	0.0438223	143.466003	2.264	1.01344
2	0.054351	39.762616	1.546	1.00383
3	0.061637	21.448560	1.200	1.00066
4	0.066936	14.939605	1.000	1.00000
5	0.070949	11.782075	0.871	1.00037
6	0.074087	9.961367	0.780	1.00115
7	0.076605	8.790896	0.714	1.00209
8	0.078668	7.980497	0.663	1.00306
9	0.080390	7.388519	0.623	1.00401
10	0.083096	6.584909	0.565	1.00574
11	0.085126	6.066873	0.523	1.00724
12	0.086704	5.706140	0.493	1.00852
13	0.087965	5.440910	0.469	1.00961
14	0.088998	5.237874	0.451	1.01056
15	0.090906	4.891767	0.418	1.01241
20	0.092216	4.674100	0.396	1.01377
30	0.093171	4.524685	0.381	1.01481
35	0.093397	4.415317	0.369	1.01562
40	0.094469	4.332980	0.361	1.01628
45	0.094930	4.267845	0.354	1.01681
50	0.095310	4.215290	0.348	1.01726
55	0.095628	4.171994	0.343	1.01764
60				

CONFIDENCE LEVEL = .99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.034084	8379.560314	5.105	1.04630
1	0.054579	137.937063	2.590	1.01752
2	0.068194	37.926107	1.772	1.00641
3	0.077788	20.332810	1.378	1.00199
4	0.084875	14.094620	1.149	1.00037
5	0.090305	11.073039	1.000	1.00000
6	0.094605	9.332533	0.896	1.00022
7	0.098083	8.214457	0.820	1.00072
8	0.100955	7.440750	0.761	1.00135
9	0.103363	6.875805	0.715	1.00201
10	0.107192	6.109209	0.646	1.00354
11	0.110036	5.615227	0.598	1.00455
12	0.112353	5.271327	0.562	1.00563
13	0.114175	5.018513	0.535	1.00658
14	0.115673	4.825004	0.513	1.00741
15	0.118460	4.495171	0.474	1.00909
20	0.120388	4.287753	0.449	1.01035
30	0.121800	4.145379	0.431	1.01132
35	0.122879	4.041540	0.417	1.01209
40	0.123730	3.962706	0.407	1.01272
45	0.124419	3.900640	0.398	1.01324
50	0.124987	3.850559	0.392	1.01367
55	0.125465	3.809301	0.386	1.01404
60				

CONFIDENCE LEVEL = .99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
7 1	0.039441	8 213.975210	5.647	1.05018
2	0.063639	1 34.124919	2.876	1.02088
3	0.079978	36.644478	1.973	1.00880
4	0.091657	19.548491	1.536	1.00349
5	0.100388	13.497681	1.281	1.00115
6	0.107152	10.570293	1.116	1.00022
7	0.112544	8.885389	1.000	1.00000
8	0.116943	7.803613	0.914	1.00014
9	0.120595	7.055313	0.849	1.00048
10	0.123687	6.509082	0.797	1.00092
12	0.128614	5.768070	0.719	1.00189
14	0.132372	5.290682	0.665	1.00285
16	0.135333	4.958375	0.625	1.00375
18	0.137726	4.714097	0.594	1.00456
20	0.139701	4.527125	0.569	1.00529
25	0.143337	4.208431	0.525	1.00679
30	0.145968	4.008003	0.496	1.00795
35	0.147861	3.870424	0.475	1.00886
40	0.149312	3.770169	0.459	1.00958
45	0.150460	3.693881	0.447	1.01018
50	0.151391	3.633390	0.438	1.01068
55	0.152161	3.585482	0.430	1.01110
60	0.152808	3.545601	0.424	1.01146

CONFIDENCE LEVEL=.99
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
8 1	0.043911	80 95.984097	6.119	1.05320
2	0.071279	131.349906	3.127	1.02366
3	0.090002	35.701884	2.150	1.01092
4	0.103537	18.968072	1.677	1.00497
5	0.113754	13.054040	1.400	1.00209
6	0.121737	10.195475	1.220	1.00072
7	0.128146	8.551175	1.064	1.00014
8	0.133406	7.495906	1.000	1.00000
9	0.137802	6.766151	0.928	1.00010
10	0.141531	6.233548	0.871	1.00034
12	0.147518	5.511150	0.786	1.00100
14	0.152114	5.045806	0.726	1.00175
16	0.155754	4.721392	0.681	1.00249
18	0.158709	4.483780	0.647	1.00317
20	0.161156	4.301520	0.619	1.00381
25	0.165760	3.990829	0.570	1.00515
30	0.168981	3.795408	0.538	1.00620
35	0.171361	3.661240	0.515	1.00705
40	0.173192	3.562460	0.497	1.00773
45	0.174644	3.489047	0.484	1.00830
50	0.175824	3.420525	0.473	1.00877
55	0.176801	3.363293	0.465	1.00917
60	0.177624	3.344386	0.457	1.00952

CONFIDENCE LEVEL=.99
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0477673	8008.153012	6.531	1.05561
1	0.077766	129.245641	3.349	1.02598
2	0.098571	34.980814	2.308	1.01278
3	0.113752	18.521698	1.803	1.00635
4	0.125305	12.711603	1.507	1.00306
5	0.134395	9.905355	1.314	1.00135
6	0.141737	8.291921	1.178	1.00048
7	0.147795	7.256781	1.078	1.00010
8	0.152880	6.541090	1.000	1.00000
10	0.157211	6.018817	0.938	1.00007
12	0.164199	5.5310495	0.847	1.00048
14	0.169594	4.854232	0.782	1.00103
16	0.173888	4.336628	0.733	1.00162
18	0.177387	4.303138	0.693	1.00220
20	0.180294	4.124401	0.666	1.00274
25	0.185797	3.319670	0.612	1.00393
30	0.189650	3.627954	0.576	1.00490
35	0.192515	3.496302	0.551	1.00568
40	0.194726	3.400340	0.532	1.00632
45	0.196482	3.327299	0.517	1.00686
50	0.197913	3.269849	0.505	1.00731
55	0.199099	3.223482	0.496	1.00769
60	0.200100	3.185274	0.488	1.00803

CONFIDENCE LEVEL=.99
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.050872	7940.501662	6.863	1.05757
1	0.083319	127.598442	3.546	1.02794
2	0.105950	44.412075	2.449	1.01441
3	0.122593	18.168015	1.916	1.00762
4	0.135345	12.439410	1.604	1.00401
5	0.145438	9.674191	1.369	1.00201
6	0.153632	8.084950	1.235	1.00092
7	0.160422	7.065574	1.148	1.00034
8	0.166146	6.360883	1.066	1.00007
10	0.171037	5.346678	1.000	1.00000
12	0.178964	5.149326	0.902	1.00018
14	0.185116	4.700113	0.832	1.00057
16	0.190032	4.387398	0.780	1.00103
18	0.194052	4.157475	0.740	1.00151
20	0.197401	3.981448	0.708	1.00197
25	0.203756	3.681277	0.650	1.00302
30	0.208246	3.492379	0.611	1.00390
35	0.211588	3.362530	0.584	1.00462
40	0.214172	3.268035	0.563	1.00522
45	0.216231	3.196023	0.547	1.00573
50	0.217910	3.139372	0.534	1.00616
55	0.219305	3.093645	0.524	1.00652
60	0.220483	3.055960	0.515	1.00684

CONFIDENCE LEVEL=.99
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.055998	7843.589237	7.499	1.06057
1	0.092293	125.191576	3.880	1.03105
2	0.117955	33.573393	2.651	1.01710
3	0.137062	17.643577	2.112	1.00932
4	0.151862	12.034239	1.771	1.00574
5	0.163687	9.329069	1.548	1.00334
6	0.173368	7.775204	1.390	1.00189
7	0.181450	6.778844	1.272	1.00100
8	0.188306	6.090183	1.181	1.00048
9	0.194200	5.587710	1.109	1.00018
10	0.203322	4.906249	1.000	1.00000
11	0.211352	4.467203	0.923	1.00011
12	0.217413	4.161486	0.864	1.00035
13	0.222399	3.936646	0.819	1.00056
14	0.226575	3.764461	0.783	1.00098
15	0.234553	3.470701	0.718	1.00179
16	0.240236	3.285715	0.674	1.00250
17	0.244492	3.158382	0.643	1.00312
18	0.247796	3.065349	0.619	1.00364
19	0.250444	2.995224	0.601	1.00409
20	0.252607	2.939645	0.586	1.00448
25	0.254410	2.834763	0.574	1.00481
30	0.255936	2.857776	0.564	1.00511

CONFIDENCE LEVEL = .99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.059909	7777.863690	7.984	1.06274
1	0.099200	123.521917	4.150	1.03340
2	0.127266	32.985610	2.889	1.01922
3	0.148357	17.273743	2.273	1.01163
4	0.164830	11.747263	1.911	1.00724
5	0.178087	9.083798	1.672	1.00453
6	0.189012	7.554468	1.504	1.00283
7	0.198134	6.574033	1.377	1.00175
8	0.206006	5.896432	1.280	1.00103
9	0.212761	5.402023	1.201	1.00057
10	0.223834	4.731433	1.084	1.00011
11	0.232597	4.299287	1.000	1.00000
12	0.239674	3.998277	0.937	1.00004
13	0.245526	3.776827	0.887	1.00023
14	0.250449	3.607180	0.848	1.00045
15	0.255909	3.317597	0.776	1.00104
16	0.266695	3.135106	0.728	1.00162
17	0.271804	3.009608	0.693	1.00213
18	0.275792	2.918019	0.667	1.00259
19	0.278992	2.848232	0.647	1.00299
20	0.281617	2.793291	0.630	1.00333
25	0.283809	2.748914	0.617	1.00364
30	0.285668	2.712321	0.606	1.00391

CONFIDENCE LEVEL = .99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.062985	7730.555227	8.380	1.06439
1	0.104667	122.298111	4.374	1.03522
2	0.134677	32.551287	3.055	1.02092
3	0.157392	16.969139	2.410	1.01312
4	0.175250	11.533441	2.029	1.00852
5	0.189706	8.900556	1.779	1.00563
6	0.201679	7.389187	1.601	1.00375
7	0.211780	6.420384	1.468	1.00249
8	0.220423	5.750836	1.364	1.00162
9	0.227926	5.262285	1.281	1.00103
10	0.234029	4.899540	1.157	1.00035
11	0.235010	4.172326	1.067	1.00007
12	0.235808	3.874654	1.000	1.00000
13	0.236471	3.655832	0.947	1.00005
14	0.237030	3.487696	0.905	1.00016
15	0.238111	3.320096	0.823	1.00058
16	0.238891	3.020131	0.775	1.00103
17	0.239481	2.895689	0.738	1.00147
18	0.239943	2.804819	0.710	1.00186
19	0.240315	2.735547	0.687	1.00221
20	0.240621	2.680987	0.669	1.00252
21	0.240877	2.636902	0.655	1.00280
22	0.241095	2.600533	0.643	1.00304

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.065463	7694.967340	8.710	1.06568
1	0.109094	121.363711	4.562	1.03669
2	0.140706	32.217503	3.193	1.02231
3	0.164773	16.787274	2.526	1.01437
4	0.183793	11.368003	2.131	1.00961
5	0.199262	8.758469	1.870	1.00638
6	0.212130	7.260791	1.685	1.00456
7	0.223302	6.300834	1.546	1.00317
8	0.232339	5.637394	1.438	1.00220
9	0.240531	5.153267	1.351	1.00151
10	0.245402	4.456419	1.221	1.00066
11	0.246477	4.072831	1.127	1.00023
12	0.247355	3.777663	1.056	1.00005
13	0.248087	3.560332	1.000	1.00000
14	0.248707	3.353718	0.955	1.00003
15	0.249910	3.108995	0.873	1.00030
16	0.250782	2.929290	0.818	1.00065
17	0.251446	2.805543	0.778	1.00100
18	0.251967	2.715127	0.747	1.00134
19	0.252383	2.646166	0.723	1.00165
20	0.252735	2.591323	0.704	1.00192
21	0.253026	2.547905	0.688	1.00217
22	0.253273	2.511663	0.675	1.00240

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
20				
1	0.067500	7667.272628	8.988	1.06672
2	0.112750	120.627481	4.722	1.03788
3	0.145703	31.953104	3.315	1.02346
4	0.170910	16.618902	2.625	1.01542
5	0.190917	11.236233	2.218	1.01056
6	0.207254	8.645081	1.949	1.00741
7	0.220891	7.158170	1.758	1.00529
8	0.232476	6.205155	1.614	1.00381
9	0.242459	5.546495	1.503	1.00274
10	0.251165	5.065820	1.413	1.00197
12	0.265642	4.413545	1.277	1.00098
14	0.277225	3.992332	1.179	1.00045
16	0.286722	3.699492	1.105	1.00016
18	0.294665	3.483437	1.047	1.00003
20	0.301406	3.317786	1.000	1.00000
25	0.314546	3.034517	0.914	1.00013
30	0.324128	2.855395	0.855	1.00039
35	0.331435	2.732303	0.813	1.00068
40	0.337197	2.642169	0.781	1.00096
45	0.341860	2.573337	0.756	1.00123
50	0.345712	2.519168	0.735	1.00148
55	0.348949	2.475323	0.713	1.00170
60	0.351707	2.439132	0.704	1.00191

CONFIDENCE LEVEL=.99
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
25				
1	0.071293	7619.191439	9.523	1.06860
2	0.119591	119.328255	5.033	1.04009
3	0.155098	31.483250	3.550	1.02564
4	0.182499	16.318443	2.824	1.01746
5	0.204425	11.000364	2.393	1.01241
6	0.222461	8.441633	2.109	1.00909
7	0.237618	6.973663	1.906	1.00679
8	0.250574	6.032818	1.753	1.00515
9	0.261803	5.382503	1.634	1.00393
10	0.271645	4.907823	1.539	1.00302
12	0.288126	4.263421	1.394	1.00179
14	0.301423	3.847498	1.288	1.00104
16	0.312406	3.557273	1.208	1.00058
18	0.321647	3.343361	1.145	1.00030
20	0.329542	3.179186	1.094	1.00013
25	0.345052	2.898116	1.000	1.00000
30	0.356477	2.720261	0.936	1.00007
35	0.365262	2.597511	0.889	1.00022
40	0.372235	2.507646	0.853	1.00040
45	0.377909	2.438986	0.824	1.00058
50	0.382618	2.384803	0.801	1.00076
55	0.386592	2.340945	0.782	1.00094
60	0.389990	2.304713	0.766	1.00110

CONFIDENCE LEVEL=.99
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.073913	7588.424462	9.907	1.06986
1	0.124343	118.481158	5.259	1.04160
2	0.161658	31.174496	3.724	1.02716
3	0.190631	16.120073	2.970	1.01891
4	0.213945	10.844105	2.524	1.01377
5	0.233222	8.306481	2.229	1.01035
6	0.249501	6.850804	2.018	1.00795
7	0.263476	5.917824	1.860	1.00620
8	0.275637	5.272870	1.736	1.00490
9	0.286338	4.802015	1.636	1.00390
10	0.304348	4.162573	1.484	1.00250
12	0.318969	3.749601	1.374	1.00162
14	0.333111	3.461240	1.290	1.00103
16	0.341380	3.248553	1.223	1.00065
18	0.350190	3.085205	1.169	1.00039
20	0.367612	2.805230	1.069	1.00007
25	0.380549	2.627781	1.000	1.00000
30	0.390562	2.505132	0.949	1.00004
35	0.398553	2.415224	0.911	1.00014
40	0.405086	2.346452	0.880	1.00025
45	0.410530	2.292125	0.855	1.00038
50	0.415133	2.248110	0.834	1.00051
55	0.419091	2.211718	0.817	1.00053
60				

CONFIDENCE LEVEL = .99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.073830	7567.088454	10.195	1.07075
1	0.127834	117.885653	5.430	1.04270
2	0.166493	30.956225	3.836	1.02829
3	0.196647	15.979364	3.033	1.02001
4	0.221010	10.732995	2.626	1.01481
5	0.241232	8.210137	2.323	1.01132
6	0.258370	6.763118	2.106	1.00886
7	0.273132	5.835625	1.943	1.00705
8	0.286016	5.194392	1.816	1.00568
9	0.297336	4.726175	1.713	1.00462
10	0.316598	4.090118	1.556	1.00312
12	0.332269	3.679117	1.442	1.00213
14	0.345341	3.391966	1.355	1.00147
16	0.356437	3.180045	1.286	1.00100
18	0.365992	3.017183	1.230	1.00068
20	0.384984	2.737765	1.125	1.00022
25	0.399181	2.560414	1.053	1.00004
30	0.410228	2.437672	1.000	1.00000
35	0.419085	2.347539	0.959	1.00003
40	0.426354	2.278610	0.926	1.00009
45	0.432432	2.224067	0.900	1.00017
50	0.437592	2.179839	0.878	1.00026
55	0.442030	2.143241	0.855	1.00036
60				

CONFIDENCE LEVEL = .99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.077293	7551.441148	10.420	1.07144
1	0.130506	117.444348	5.565	1.04354
2	0.170207	110.793789	3.960	1.02915
3	0.201275	115.874386	3.173	1.02035
4	0.226459	110.649946	2.707	1.01562
5	0.247424	9.138102	2.398	1.01209
6	0.265240	6.697391	2.177	1.00959
7	0.280626	5.773938	2.011	1.00773
8	0.294088	5.135434	1.880	1.00632
9	0.305994	4.669142	1.775	1.00522
10	0.326174	4.035527	1.615	1.00364
11	0.342698	3.625921	1.499	1.00259
12	0.356529	3.339603	1.409	1.00186
13	0.368307	3.128186	1.338	1.00134
14	0.378477	2.965623	1.280	1.00096
15	0.398780	2.866478	1.173	1.00040
16	0.414040	2.509074	1.098	1.00014
17	0.425969	2.386151	1.043	1.00003
18	0.435571	2.295859	1.000	1.00000
19	0.443477	2.226617	0.966	1.00002
20	0.450107	2.171353	0.933	1.00006
21	0.455750	2.127374	0.915	1.00012
22	0.460615	2.090559	0.895	1.00019

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.078445	7539.482135	10.600	1.07197
1	0.132616	117.104305	5.673	1.04419
2	0.173145	110.668214	4.045	1.02993
3	0.204945	115.793070	3.246	1.02153
4	0.230788	110.585524	2.773	1.01628
5	0.252353	8.082120	2.435	1.01272
6	0.270713	6.646293	2.235	1.01018
7	0.286611	5.725935	2.066	1.00830
8	0.300544	5.089514	1.934	1.00686
9	0.312889	4.624685	1.827	1.00573
10	0.333865	3.992910	1.665	1.00409
11	0.351095	3.584355	1.546	1.00296
12	0.365558	3.298616	1.453	1.00221
13	0.377905	3.087545	1.382	1.00165
14	0.388593	2.925175	1.323	1.00123
15	0.410006	2.646142	1.213	1.00058
16	0.426175	2.468611	1.136	1.00025
17	0.438864	2.345470	1.079	1.00009
18	0.449112	2.254910	1.035	1.00002
19	0.457575	2.185436	1.000	1.00000
20	0.464690	2.130408	0.971	1.00001
21	0.470760	2.085717	0.947	1.00005
22	0.476003	2.048634	0.926	1.00009

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
50	1 0.079377	7530.048530	10.747	1.07239
2	0.134325	116.834303	5.762	1.04472
3	0.175528	30.568243	4.115	1.03039
4	0.207927	15.728232	3.307	1.02209
5	0.234310	10.534096	2.828	1.01681
6	0.256368	8.037387	2.511	1.01324
7	0.275187	6.605428	2.284	1.01068
8	0.291501	5.687516	2.113	1.00877
9	0.305925	5.052737	1.975	1.00731
10	0.318535	4.589055	1.871	1.00616
12	0.340177	3.958712	1.706	1.00448
14	0.358001	3.550927	1.536	1.00333
16	0.372997	3.265653	1.494	1.00252
18	0.385828	3.054828	1.420	1.00192
20	0.396957	2.892582	1.360	1.00148
25	0.419322	2.613571	1.249	1.00076
30	0.436276	2.435876	1.170	1.00039
35	0.449627	2.312505	1.111	1.00017
40	0.460441	2.221595	1.066	1.00006
45	0.469334	2.151974	1.030	1.00001
50	0.476938	2.096703	1.000	1.00000
55	0.483388	2.051794	0.975	1.00001
60	0.488969	2.014552	0.954	1.00003

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55	1 0.080145	7522.419235	10.870	1.07273
2	0.135736	116.614733	5.836	1.04516
3	0.177499	30.486773	4.173	1.03035
4	0.210397	15.675326	3.357	1.02254
5	0.237232	10.493092	2.874	1.01725
6	0.259703	8.000822	2.554	1.01367
7	0.278903	6.572003	2.325	1.01110
8	0.295570	5.656072	2.153	1.00917
9	0.310224	5.022618	2.018	1.00769
10	0.323243	4.559860	1.908	1.00652
12	0.345451	3.930661	1.742	1.00481
14	0.363780	3.523497	1.621	1.00364
16	0.379233	3.238564	1.527	1.00280
18	0.392479	3.027913	1.453	1.00217
20	0.403938	2.865751	1.392	1.00170
25	0.427178	2.586710	1.278	1.00094
30	0.444481	2.408835	1.199	1.00051
35	0.458750	2.235234	1.139	1.00026
40	0.470063	2.194184	1.093	1.00012
45	0.479451	2.124225	1.055	1.00005
50	0.487378	2.068733	1.026	1.00001
55	0.494168	2.023605	1.000	1.00000
60	0.500052	1.986165	0.978	1.00001

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.080790	7516.123368	10.973	1.07302
1	0.136922	116.432703	5.900	1.04552
2	0.179156	30.419107	4.223	1.03123
3	0.212476	15.631337	3.401	1.02293
4	0.2339694	10.457141	2.914	1.01764
5	0.262515	7.970377	2.591	1.01404
6	0.282040	6.544155	2.361	1.01146
7	0.299009	5.629860	2.187	1.00952
8	0.313945	4.957499	2.051	1.00803
9	0.327229	4.535499	1.941	1.00684
10	0.349923	3.907234	1.773	1.00511
11	0.368688	3.500570	1.651	1.00391
12	0.384536	3.215905	1.556	1.00304
13	0.398143	3.003391	1.481	1.00240
14	0.409982	2.843275	1.420	1.00191
15	0.433894	2.564171	1.305	1.00110
16	0.452137	2.386114	1.224	1.00063
17	0.466533	2.262291	1.164	1.00036
18	0.478341	2.171010	1.117	1.00019
19	0.488118	2.100826	1.080	1.00009
20	0.496338	2.045121	1.048	1.00003
25	0.503483	1.999794	1.022	1.00001
30	0.509641	1.962166	1.000	1.00000

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0000015	64844.890735	1.000	1.00000
1	0.0000022	597.457255	0.501	1.00986
1	0.0000026	142.402118	0.339	1.02134
1	0.0000028	72.774152	0.261	1.03087
1	0.0000029	49.592371	0.217	1.03741
1	0.0000030	38.749937	0.189	1.04225
1	0.0000031	32.646466	0.170	1.04532
1	0.0000031	28.738691	0.156	1.04878
1	0.0000032	26.151589	0.145	1.05107
1	0.0000032	24.243160	0.137	1.05293
1	0.0000032	21.677691	0.125	1.05578
1	0.0000033	20.041272	0.117	1.05784
1	0.0000033	18.912047	0.110	1.05941
1	0.0000033	13.082176	0.106	1.06053
1	0.0000033	17.452703	0.102	1.06152
1	0.0000033	16.338427	0.096	1.06240
1	0.0000033	15.717920	0.092	1.06359
1	0.0000034	15.260394	0.089	1.06444
1	0.0000034	14.926264	0.087	1.06608
1	0.0000034	14.676629	0.085	1.06658
1	0.0000034	14.477432	0.084	1.06698
1	0.0000034	14.319008	0.083	1.06730
1	0.0000034	14.185238	0.082	1.06757

CONFIDENCE LEVEL=.995
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.001674	45074.417924	1.995	1.00936
2	0.002506	393.559241	1.000	1.00000
2	0.002991	92.482972	0.676	1.00304
2	0.003297	46.348770	0.520	1.00798
2	0.003502	31.135636	0.431	1.01236
2	0.003648	24.071486	0.374	1.01630
2	0.003755	20.113659	0.335	1.01973
2	0.003838	17.620631	0.306	1.02241
2	0.003902	15.920605	0.284	1.02466
2	0.003934	14.693383	0.267	1.02655
2	0.004033	13.048680	0.243	1.02956
2	0.004089	12.002357	0.226	1.03183
2	0.004131	11.280657	0.213	1.03360
2	0.004164	10.753839	0.204	1.03501
2	0.004190	10.352827	0.196	1.03617
2	0.004236	9.673940	0.183	1.03830
2	0.004267	9.250167	0.174	1.03976
2	0.004289	9.060749	0.169	1.04092
2	0.004306	8.750649	0.164	1.04162
2	0.004331	8.591228	0.160	1.04225
2	0.004338	8.466168	0.158	1.04276
2	0.004337	8.365420	0.156	1.04318
2	0.004344	8.282565	0.154	1.04353

CONFIDENCE LEVEL=.995
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.007022	38749.840441	2.9550	1.02184
1	0.010813	334.325526	1.4800	1.00304
3	0.013148	76.056127	1.0000	1.00000
4	0.014692	37.598407	0.769	1.00128
5	0.015771	25.000035	0.636	1.00266
6	0.016560	19.176177	0.551	1.00616
7	0.017158	15.923745	0.492	1.00848
8	0.017626	13.880035	0.449	1.01055
9	0.018001	12.489101	0.416	1.01237
10	0.018308	11.486510	0.391	1.01397
11	0.018780	10.145136	0.353	1.01660
12	0.019124	9.293344	0.327	1.01868
14	0.019387	8.706609	0.308	1.02034
16	0.019593	8.278745	0.294	1.02170
18	0.019760	7.953322	0.282	1.02282
20	0.020062	7.402973	0.262	1.02496
30	0.020265	7.059825	0.249	1.02645
40	0.020411	6.825651	0.239	1.02755
50	0.020521	6.655751	0.232	1.02840
60	0.020606	6.526895	0.227	1.02906
70	0.020675	6.425833	0.223	1.02960
80	0.020731	6.344460	0.220	1.03005
90	0.020773	6.277335	0.217	1.03043

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.013740	35798.309963	3.8226	1.03097
1	0.021576	303.307471	1.9222	1.00798
3	0.026597	63.062892	1.3000	1.00123
4	0.030029	33.302744	1.0000	1.00000
5	0.032491	21.970085	0.827	1.00064
6	0.034333	16.748345	0.715	1.00194
7	0.035757	13.838995	0.638	1.00341
8	0.036889	12.014101	0.581	1.00486
9	0.037803	10.773756	0.532	1.00622
10	0.038569	9.880693	0.504	1.00747
11	0.039754	8.687304	0.454	1.00964
12	0.040633	7.930445	0.420	1.01143
14	0.041310	7.409585	0.394	1.01290
16	0.041847	7.030027	0.375	1.01413
18	0.042284	6.741503	0.359	1.01517
20	0.043086	6.253901	0.332	1.01718
30	0.043631	5.950093	0.315	1.01861
40	0.044025	5.742374	0.300	1.01969
50	0.044324	5.592586	0.293	1.02052
60	0.044558	5.478637	0.286	1.02118
70	0.044747	5.389237	0.280	1.02173
80	0.044902	5.317354	0.275	1.02218
90	0.045031	5.258204	0.272	1.02256

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	1 0.020166	341 53.138139	4.606	1.03741
	2 0.032118	285 5.511753	2.320	1.01259
	3 0.040000	63.407449	1.571	1.00366
	4 0.045516	30.777953	1.210	1.00064
	5 0.049558	20.178266	1.000	1.00000
	6 0.052633	15.306210	0.865	1.00036
	7 0.055044	12.596457	0.770	1.00113
	8 0.056982	10.898985	0.701	1.00206
	9 0.058573	9.746409	0.648	1.00302
	10 0.059901	8.917203	0.607	1.00395
	12 0.061991	7.810107	0.546	1.00567
	14 0.063559	7.108610	0.503	1.00716
	16 0.064779	6.626160	0.472	1.00843
	18 0.065755	6.274761	0.448	1.00951
	20 0.066552	6.007744	0.429	1.01045
	25 0.068027	5.556638	0.393	1.01229
	30 0.069040	5.275784	0.373	1.01363
	35 0.069778	5.084248	0.358	1.01466
	40 0.070339	4.945365	0.346	1.01546
	45 0.070780	4.840081	0.337	1.01611
	50 0.071137	4.757536	0.330	1.01664
	55 0.071430	4.691093	0.324	1.01709
	60 0.071676	4.636454	0.319	1.01746

CONFIDENCE LEVEL = .995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	1 0.025806	331 28.586435	5.294	1.04225
	2 0.041543	274.126239	2.674	1.01650
	3 0.052148	60.387557	1.815	1.00616
	4 0.059707	29.126459	1.399	1.00194
	5 0.063333	18.999595	1.157	1.00036
	6 0.065669	14.353662	1.000	1.00000
	7 0.073107	11.773132	0.851	1.00022
	8 0.075897	10.158231	0.810	1.00071
	9 0.078205	9.062570	0.749	1.00133
	10 0.080146	8.274761	0.701	1.00200
	12 0.083226	7.223504	0.629	1.00331
	14 0.085561	6.557977	0.579	1.00452
	16 0.087390	6.100400	0.542	1.00539
	18 0.088861	5.767223	0.514	1.00634
	20 0.090071	5.514115	0.492	1.00736
	25 0.092323	5.086672	0.452	1.00903
	30 0.093880	4.820547	0.426	1.01028
	35 0.095022	4.639118	0.407	1.01124
	40 0.095893	4.507530	0.393	1.01201
	45 0.096581	4.407871	0.383	1.01263
	50 0.097139	4.329702	0.374	1.01314
	55 0.097593	4.266781	0.367	1.01357
	60 0.097933	4.215046	0.362	1.01394

CONFIDENCE LEVEL = .995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.030630	32439.475373	5.897	1.04592
1	0.049717	266.281498	2.988	1.01573
2	0.062799	58.281405	2.033	1.00848
3	0.072260	27.966203	1.563	1.00341
4	0.079387	18.167392	1.298	1.00113
5	0.084939	13.678636	1.123	1.00022
6	0.089381	11.188081	1.000	1.00000
7	0.093301	9.630661	0.910	1.00014
8	0.096039	8.574589	0.840	1.00043
9	0.098598	7.815595	0.786	1.00091
10	0.102587	6.803354	0.705	1.00189
11	0.105311	6.162660	0.648	1.00234
12	0.108275	5.722354	0.606	1.00373
13	0.111026	5.401819	0.574	1.00454
14	0.111913	5.158346	0.548	1.00527
15	0.114934	4.747239	0.503	1.00676
16	0.117139	4.491313	0.473	1.00791
17	0.118719	4.316836	0.452	1.00882
18	0.119930	4.190372	0.436	1.00954
19	0.120389	4.094497	0.424	1.01013
20	0.121669	4.019333	0.414	1.01062
25	0.122308	3.953830	0.406	1.01104
30	0.122349	3.909034	0.399	1.01140

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.034735	31949.023413	6.428	1.04878
1	0.036752	260.578094	3.268	1.02241
2	0.072046	56.733935	2.227	1.01055
3	0.083236	27.103304	1.721	1.00486
4	0.091735	17.549391	1.426	1.00206
5	0.098442	13.175730	1.234	1.00071
6	0.103835	10.751115	1.099	1.00014
7	0.108274	9.235825	1.000	1.00000
8	0.111992	8.208730	0.924	1.00010
9	0.115151	7.470893	0.863	1.00033
10	0.117515	6.487136	0.774	1.00100
11	0.120231	5.964666	0.711	1.00174
12	0.124133	5.436965	0.665	1.00248
13	0.127975	5.125642	0.623	1.00316
14	0.131844	4.889184	0.600	1.00380
15	0.135773	4.489941	0.549	1.00513
16	0.138532	4.241409	0.516	1.00619
17	0.140535	4.071982	0.492	1.00703
18	0.142125	3.949143	0.474	1.00771
19	0.143367	3.856027	0.460	1.00827
20	0.144376	3.783023	0.449	1.00874
25	0.145219	3.724238	0.441	1.00914
30	0.145917	3.675939	0.433	1.00948

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.038239	584.5550664	6.8996	1.05107
1	0.062812	256.2559579	3.517	1.02466
3	0.090070	55.551515	2.402	1.01237
4	0.092913	26.449153	1.859	1.00622
5	0.102602	17.072769	1.542	1.00302
6	0.110344	12.786833	1.335	1.00133
7	0.116624	10.412422	1.190	1.00048
8	0.121821	8.929236	1.083	1.00010
9	0.126194	7.924299	1.000	1.00000
10	0.129926	7.202480	0.935	1.00007
11	0.133596	6.240332	0.833	1.00048
12	0.140623	5.631746	0.769	1.00103
13	0.144349	5.213599	0.718	1.00162
14	0.147338	4.909242	0.679	1.00220
15	0.149909	4.678080	0.648	1.00274
16	0.152469	4.287773	0.592	1.00333
17	0.155804	4.044737	0.533	1.00489
18	0.160542	3.879126	0.539	1.00567
19	0.162468	3.758007	0.503	1.00631
20	0.165247	3.667946	0.494	1.00684
25	0.165247	3.556548	0.482	1.00729
30	0.166292	3.539071	0.472	1.00767
60	0.167155	3.491309	0.464	1.00800

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.041250	31304.346633	7.311	1.05293
1	0.068005	252.894196	3.739	1.02655
3	0.087059	54.619948	2.560	1.01337
4	0.101207	25.927370	1.984	1.00747
5	0.112143	15.694234	1.647	1.00335
6	0.120849	12.477213	1.427	1.00200
7	0.127949	10.142239	1.273	1.00091
8	0.133353	8.684270	1.153	1.00033
9	0.138841	7.696689	1.070	1.00007
10	0.143113	6.987475	1.000	1.00000
11	0.147005	6.042347	0.896	1.00018
12	0.150545	5.444527	0.823	1.00057
13	0.153977	5.033830	0.768	1.00103
14	0.156330	4.734902	0.725	1.00151
15	0.166260	4.507855	0.692	1.00197
16	0.171366	4.124470	0.631	1.00302
17	0.175833	3.885760	0.591	1.00389
18	0.178787	3.722993	0.563	1.00461
19	0.181074	3.604953	0.541	1.00521
20	0.182396	3.515466	0.525	1.00572
25	0.184383	3.445291	0.512	1.00613
30	0.185619	3.398794	0.501	1.00651
60	0.186662	3.342334	0.492	1.00683

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
12	1 0.046131	309 04.077500	8.012	1.05578
	2 0.076636	247.962563	4.120	1.02956
	3 0.098369	53.248403	2.832	1.01660
	4 0.115111	25.154665	2.200	1.00964
	5 0.128039	16.131403	1.833	1.00567
	6 0.138435	12.015408	1.589	1.00331
	7 0.146986	9.738305	1.418	1.00188
	8 0.154151	8.317293	1.292	1.00100
	9 0.160247	7.355128	1.194	1.00048
100	0.165499	6.664347	1.116	1.00018
120	0.174095	5.743981	1.000	1.00000
140	0.180942	5.161894	0.918	1.00011
160	0.190768	4.761939	0.856	1.00035
180	0.199076	4.470906	0.808	1.00066
200	0.201728	4.249782	0.770	1.00098
250	0.206835	3.976303	0.701	1.00179
300	0.210706	3.643669	0.656	1.00250
350	0.213701	3.484984	0.623	1.00312
400	0.216097	3.369871	0.599	1.00364
450	0.218059	3.282369	0.580	1.00409
500	0.219693	3.214033	0.564	1.00447
550	0.221076	3.158332	0.552	1.00481
600	0.222107	3.113597	0.542	1.00510

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
14	1 0.049397	306 33.624669	8.580	1.05784
	2 0.083317	244.557468	4.432	1.03193
	3 0.107604	52.289035	3.057	1.01869
	4 0.126096	24.610616	2.383	1.01143
	5 0.140674	15.733310	1.986	1.00716
	6 0.152486	11.687634	1.726	1.00452
	7 0.162263	9.430802	1.543	1.00284
	8 0.170513	8.055483	1.406	1.00174
90	0.177565	7.110955	1.300	1.00103
100	0.183671	6.432942	1.216	1.00057
120	0.193727	5.529674	1.090	1.00011
140	0.201678	4.958394	1.000	1.00000
160	0.208190	4.565878	0.933	1.00007
180	0.213474	4.280109	0.880	1.00023
200	0.217975	4.062986	0.838	1.00045
250	0.226644	3.696139	0.763	1.00104
300	0.232874	3.467313	0.712	1.00162
350	0.237572	3.311493	0.675	1.00213
400	0.241243	3.198272	0.649	1.00259
450	0.244190	3.112371	0.627	1.00299
500	0.246510	3.044973	0.610	1.00333
550	0.248632	2.990634	0.596	1.00364
600	0.250347	2.946020	0.585	1.00391

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.05282	30439.60569	9.047	1.05941
1	0.088647	2422.06743	4.692	1.03360
1	0.114855	551.58133	3.246	1.02034
1	0.134960	244.20719	2.537	1.01290
1	0.150917	115.43704	2.119	1.00843
1	0.163924	55.44300	1.844	1.00579
1	0.174753	29.23575	1.643	1.00373
1	0.183926	17.35927	1.504	1.00248
1	0.191806	6.92765	1.392	1.00162
1	0.199999	6.25897	1.302	1.00103
1	0.209999	5.36815	1.163	1.00035
1	0.221901	4.80466	1.072	1.00007
1	0.233249	4.41749	1.000	1.00000
1	0.244760	4.13352	0.944	1.00005
1	0.256370	3.93906	0.893	1.00016
1	0.268040	3.73332	0.817	1.00033
1	0.279710	3.51790	0.762	1.00047
1	0.291380	3.29086	0.693	1.00086
1	0.303050	3.05820	0.665	1.00091
1	0.314720	2.81533	0.631	1.00092
1	0.326390	2.56615	0.603	1.00090
1	0.338060	2.31174	0.623	1.00084

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
13	0.05529	30294.08913	9.437	1.06063
1	0.092990	240.17000	4.911	1.03501
1	0.120791	55.03823	3.407	1.02170
1	0.142247	24.39630	2.668	1.01411
1	0.159369	11.20800	2.232	1.00951
1	0.173344	5.53514	1.945	1.00654
1	0.185123	2.90833	1.742	1.00454
1	0.195998	1.70673	1.590	1.00316
1	0.206977	6.78495	1.473	1.00220
1	0.218119	5.23367	1.379	1.00151
1	0.229336	4.24197	1.237	1.00066
1	0.240607	4.58441	1.156	1.00023
1	0.251823	4.30113	1.060	1.00005
1	0.263093	4.02203	1.000	1.00000
1	0.274417	3.80987	0.932	1.00003
1	0.285676	3.45109	0.865	1.00030
1	0.296880	3.22712	0.806	1.00063
1	0.308010	3.07430	0.764	1.00100
1	0.319050	2.96319	0.733	1.00134
1	0.330099	2.87086	0.707	1.00165
1	0.341147	2.79526	0.687	1.00193
1	0.352195	2.73592	0.670	1.00213
1	0.363243	2.68152	0.656	1.00240

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
20	1 0.057226	30181.145217	9.769	1.06162
	2 0.096599	2338.677552	5.098	1.03617
	3 0.125734	50.608578	3.546	1.02283
	4 0.148335	23.649480	3.782	1.01517
	5 0.166455	15.025806	2.331	1.01045
	6 0.181353	11.102405	2.034	1.00736
	7 0.193861	8.335330	1.824	1.00527
	8 0.204533	7.584746	1.666	1.00380
	9 0.213763	6.670700	1.544	1.00274
	10 0.221835	6.014671	1.446	1.00197
11	0.229330	5.440653	1.399	1.00098
12	0.235306	4.987673	1.333	1.00045
14	0.245501	4.207514	1.113	1.00016
16	0.255507	3.930532	1.050	1.00003
18	0.262476	3.719957	1.000	1.00000
20	0.266882	3.637330	0.903	1.00013
25	0.279021	3.141327	0.846	1.00035
30	0.297196	2.935305	0.801	1.00063
40	0.302664	2.878830	0.763	1.00096
50	0.307094	2.794309	0.741	1.00123
55	0.310757	2.728994	0.719	1.00143
60	0.313837	2.675843	0.702	1.00170
	0.316464	2.622036	0.687	1.00191

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
25	1 0.061033	29985.778133	10.411	1.06340
	2 0.103370	2336.049324	5.466	1.03530
	3 0.133508	49.346394	3.820	1.02496
	4 0.159900	22.200930	3.003	1.01779
	5 0.179963	14.699368	2.530	1.01225
	6 0.196392	10.831560	2.214	1.00803
	7 0.210649	8.696092	1.989	1.00676
	8 0.222720	7.365234	1.820	1.00513
	9 0.233322	6.464767	1.689	1.00393
	10 0.242455	5.818476	1.584	1.00302
11	0.250797	4.357290	1.426	1.00179
12	0.257973	4.412211	1.311	1.00104
14	0.263097	4.037286	1.224	1.00053
16	0.268976	3.763973	1.156	1.00030
18	0.272835	3.556045	1.101	1.00013
20	0.275116	3.203334	1.000	1.00000
25	0.283507	2.883781	0.931	1.00007
30	0.289323	2.833099	0.881	1.00022
40	0.293370	2.723461	0.843	1.00040
50	0.294824	2.674544	0.813	1.00053
55	0.295208	2.621551	0.789	1.00076
60	0.295373	2.478066	0.752	1.00110

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
30	1	2	10	1
	0.063628	0.314153	0.8751	0.06459
	0.108106	0.341339	0.7335	0.03576
	0.141647	0.346348	0.0239	0.02645
	0.168005	0.919627	0.4779	0.01861
	0.189545	0.484593	0.6800	0.01363
	0.207445	0.651353	0.3350	0.01028
	0.222652	0.536841	0.1155	0.00791
	0.233771	0.339332	0.9399	0.00610
	0.244722	0.327232	0.3003	0.00489
	0.255735	0.687233	0.6933	0.00389
	0.267444	0.342258	0.5255	0.00250
	0.278839	0.399441	0.4004	0.00166
	0.289900	0.332324	0.1111	0.00103
	0.300936	0.651400	0.3400	0.00065
	0.311833	0.445043	0.6222	0.00039
	0.322333	0.095277	0.0744	0.00020
	0.332476	0.376233	0.0000	0.00000
	0.342351	0.726114	0.9466	0.00004
	0.351936	0.616593	0.9005	0.00014
	0.361333	0.338333	0.8722	0.00055
	0.370533	0.468220	0.8466	0.00031
	0.379533	0.415517	0.8244	0.00018
	0.388333	0.371706	0.8033	0.00003

CONFIDENCE LEVEL = .995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
35	1	2	11	1
	0.063533	0.314237	0.8223	0.06544
	0.111353	0.422333	0.9400	0.04082
	0.146633	0.493423	0.1799	0.02755
	0.174411	0.141777	0.5100	0.01939
	0.196633	0.323577	0.7966	0.01466
	0.213315	0.333333	0.4336	0.01134
	0.223333	0.444444	0.2114	0.00883
	0.233333	0.144444	0.0333	0.00703
	0.243333	0.333333	0.8911	0.00567
	0.253333	0.322333	0.7777	0.00461
	0.263333	0.444444	0.6000	0.00322
	0.273333	0.333333	0.4400	0.00217
	0.283333	0.097777	0.3309	0.00140
	0.293333	0.333333	0.3094	0.00098
	0.303333	0.664777	0.2488	0.00062
	0.313333	0.016433	0.1355	0.00032
	0.323333	0.798073	0.0557	0.00004
	0.333333	0.648233	0.0000	0.00000
	0.343333	0.333333	0.9556	0.00003
	0.353333	0.435577	0.9221	0.00009
	0.363333	0.390213	0.8993	0.00017
	0.373333	0.337236	0.8700	0.00026
	0.383333	0.293300	0.8500	0.00036

CONFIDENCE LEVEL = .995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.066990	29712.371344	11.459	1.06608
1	0.114277	2322.255889	6.101	1.04162
2	0.150246	43.731066	4.302	1.02840
3	0.178808	22.561029	3.415	1.02052
4	0.202210	14.216830	2.890	1.01546
5	0.221845	10.428239	2.542	1.01201
6	0.236642	8.338214	2.295	1.00954
7	0.253220	7.036070	2.109	1.00771
8	0.266028	6.155055	1.964	1.00631
9	0.277396	5.522615	1.847	1.00521
10	0.296747	4.678443	1.670	1.00364
11	0.312669	4.145203	1.542	1.00259
12	0.326046	3.777233	1.444	1.00186
13	0.337472	3.508654	1.366	1.00134
14	0.347363	3.303935	1.303	1.00096
15	0.357180	3.156557	1.248	1.00040
16	0.368213	2.738522	1.160	1.00014
17	0.393855	2.588775	1.104	1.00003
18	0.403311	2.479475	1.000	1.00000
19	0.411112	2.396123	0.964	1.00000
20	0.417663	2.350433	0.934	1.00000
21	0.423247	2.327723	0.909	1.00001
22	0.423064	2.233599	0.888	1.00019

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.068141	29664.396133	11.719	1.06658
1	0.116393	2331.573373	6.231	1.04225
2	0.153222	48.528421	4.402	1.02906
3	0.182537	22.442483	3.500	1.02118
4	0.206608	14.128210	2.966	1.01611
5	0.226867	10.353961	2.613	1.01263
6	0.244230	8.272115	2.361	1.01013
7	0.259334	6.975119	2.172	1.00827
8	0.272632	6.097372	2.024	1.00694
9	0.284457	5.467533	1.903	1.00572
10	0.304639	4.627559	1.723	1.00409
11	0.321298	4.095165	1.584	1.00299
12	0.335336	3.728570	1.494	1.00221
13	0.347355	3.460508	1.414	1.00165
14	0.357793	3.256335	1.350	1.00133
15	0.378775	3.009496	1.230	1.00058
16	0.394683	2.691621	1.147	1.00025
17	0.407204	2.541844	1.085	1.00009
18	0.417341	2.432427	1.033	1.00003
19	0.425723	2.343913	1.000	1.00000
20	0.432790	2.282046	0.969	1.00001
21	0.438823	2.229730	0.943	1.00005
22	0.444040	2.185573	0.921	1.00009

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.069072	0.060113	11.8999	0.06698
11	0.118111	0.031976	6.3339	0.04276
23	0.155622	0.367207	4.4855	0.02960
44	0.185553	0.348013	3.5711	0.02173
55	0.210193	0.057460	3.0300	0.01664
66	0.230963	0.294635	2.6722	0.01314
77	0.248798	0.219277	2.4166	0.01062
88	0.264333	0.163353	2.2255	0.00874
99	0.278044	0.051553	2.0733	0.00729
110	0.290251	0.423349	1.9555	0.00627
121	0.311330	0.535533	1.7722	0.00444
132	0.322841	0.055498	1.6333	0.00333
143	0.334300	0.686907	1.5337	0.00255
154	0.345333	0.442176	1.4336	0.00199
165	0.355533	0.221709	1.3330	0.00144
176	0.366441	0.084715	1.2338	0.00097
187	0.378411	0.033700	1.1333	0.00068
198	0.390515	0.003333	1.0330	0.00037
209	0.403377	0.000333	0.9330	0.00006
220	0.418300	0.000333	0.8333	0.00000
231	0.432910	0.000333	0.7333	0.00000
242	0.445532	0.000333	0.6334	0.00000
253	0.453196	0.000333	0.5334	0.00000
264	0.455753	0.000333	0.4331	0.00000

CONFIDENCE LEVEL=.995
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.069841	0.060113	12.0500	0.06730
11	0.119544	0.031976	6.4299	0.04318
23	0.157611	0.367207	4.5555	0.03005
44	0.188063	0.348013	3.6311	0.02170
55	0.213170	0.057460	3.0844	0.01508
66	0.233666	0.294635	2.7222	0.01135
77	0.252333	0.176073	2.4640	0.00910
88	0.268511	0.133633	2.2700	0.00767
99	0.282566	0.083733	2.1133	0.00651
110	0.295099	0.033333	1.9577	0.00551
121	0.306633	0.003333	1.8122	0.00481
132	0.317444	0.000333	1.6777	0.00364
143	0.327944	0.000333	1.5574	0.00280
154	0.338241	0.000333	1.4525	0.00217
165	0.348371	0.000333	1.3530	0.00170
176	0.358333	0.000333	1.2594	0.00139
187	0.368111	0.000333	1.1714	0.00116
198	0.377733	0.000333	1.0900	0.00092
209	0.387333	0.000333	1.0150	0.00069
220	0.396844	0.000333	0.9460	0.00050
231	0.406333	0.000333	0.8827	0.00036
242	0.415844	0.000333	0.8250	0.00026
253	0.425333	0.000333	0.7714	0.00019
264	0.434844	0.000333	0.7200	0.00014
275	0.444333	0.000333	0.6700	0.00010
286	0.453844	0.000333	0.6214	0.00007
297	0.463333	0.000333	0.5744	0.00005
308	0.472844	0.000333	0.5299	0.00003
319	0.482333	0.000333	0.4877	0.00002
330	0.491844	0.000333	0.4477	0.00001
341	0.501333	0.000333	0.4099	0.00000
352	0.510844	0.000333	0.3744	0.00000
363	0.520333	0.000333	0.3400	0.00000
374	0.529844	0.000333	0.3077	0.00000
385	0.539333	0.000333	0.2777	0.00000
396	0.548844	0.000333	0.2499	0.00000
407	0.558333	0.000333	0.2244	0.00000
418	0.567844	0.000333	0.2000	0.00000
429	0.577333	0.000333	0.1777	0.00000
440	0.586844	0.000333	0.1577	0.00000
451	0.596333	0.000333	0.1399	0.00000
462	0.605844	0.000333	0.1244	0.00000
473	0.615333	0.000333	0.1100	0.00000
484	0.624844	0.000333	0.0977	0.00000
495	0.634333	0.000333	0.0877	0.00000
506	0.643844	0.000333	0.0799	0.00000
517	0.653333	0.000333	0.0733	0.00000
528	0.662844	0.000333	0.0677	0.00000
539	0.672333	0.000333	0.0633	0.00000
550	0.681844	0.000333	0.0599	0.00000
561	0.691333	0.000333	0.0577	0.00000
572	0.700844	0.000333	0.0555	0.00000
583	0.710333	0.000333	0.0533	0.00000
594	0.719844	0.000333	0.0511	0.00000
605	0.729333	0.000333	0.0499	0.00000
616	0.738844	0.000333	0.0487	0.00000
627	0.748333	0.000333	0.0477	0.00000
638	0.757844	0.000333	0.0467	0.00000
649	0.767333	0.000333	0.0457	0.00000
660	0.776844	0.000333	0.0447	0.00000
671	0.786333	0.000333	0.0437	0.00000
682	0.795844	0.000333	0.0427	0.00000
693	0.805333	0.000333	0.0417	0.00000
704	0.814844	0.000333	0.0407	0.00000
715	0.824333	0.000333	0.0397	0.00000
726	0.833844	0.000333	0.0387	0.00000
737	0.843333	0.000333	0.0377	0.00000
748	0.852844	0.000333	0.0367	0.00000
759	0.862333	0.000333	0.0357	0.00000
770	0.871844	0.000333	0.0347	0.00000
781	0.881333	0.000333	0.0337	0.00000
792	0.890844	0.000333	0.0327	0.00000
803	0.900333	0.000333	0.0317	0.00000
814	0.909844	0.000333	0.0307	0.00000
825	0.919333	0.000333	0.0297	0.00000
836	0.928844	0.000333	0.0287	0.00000
847	0.938333	0.000333	0.0277	0.00000
858	0.947844	0.000333	0.0267	0.00000
869	0.957333	0.000333	0.0257	0.00000
880	0.966844	0.000333	0.0247	0.00000
891	0.976333	0.000333	0.0237	0.00000
902	0.985844	0.000333	0.0227	0.00000
913	0.995333	0.000333	0.0217	0.00000
924	1.004844	0.000333	0.0207	0.00000
935	1.014333	0.000333	0.0197	0.00000
946	1.023844	0.000333	0.0187	0.00000
957	1.033333	0.000333	0.0177	0.00000
968	1.042844	0.000333	0.0167	0.00000
979	1.052333	0.000333	0.0157	0.00000
990	1.061844	0.000333	0.0147	0.00000
1001	1.071333	0.000333	0.0137	0.00000
1012	1.080844	0.000333	0.0127	0.00000
1023	1.090333	0.000333	0.0117	0.00000
1034	1.099844	0.000333	0.0107	0.00000
1045	1.109333	0.000333	0.0097	0.00000
1056	1.118844	0.000333	0.0087	0.00000
1067	1.128333	0.000333	0.0077	0.00000
1078	1.137844	0.000333	0.0067	0.00000
1089	1.147333	0.000333	0.0057	0.00000
1100	1.156844	0.000333	0.0047	0.00000
1111	1.166333	0.000333	0.0037	0.00000
1122	1.175844	0.000333	0.0027	0.00000
1133	1.185333	0.000333	0.0017	0.00000
1144	1.194844	0.000333	0.0007	0.00000
1155	1.204333	0.000333	0.0000	0.00000
1166	1.213844	0.000333	0.0000	0.00000
1177	1.223333	0.000333	0.0000	0.00000
1188	1.232844	0.000333	0.0000	0.00000
1199	1.242333	0.000333	0.0000	0.00000
1210	1.251844	0.000333	0.0000	0.00000
1221	1.261333	0.000333	0.0000	0.00000
1232	1.270844	0.000333	0.0000	0.00000
1243	1.280333	0.000333	0.0000	0.00000
1254	1.289844	0.000333	0.0000	0.00000
1265	1.299333	0.000333	0.0000	0.00000
1276	1.308844	0.000333	0.0000	0.00000
1287	1.318333	0.000333	0.0000	0.00000
1298	1.327844	0.000333	0.0000	0.00000
1309	1.337333	0.000333	0.0000	0.00000
1320	1.346844	0.000333	0.0000	0.00000
1331	1.356333	0.000333	0.0000	0.00000
1342	1.365844	0.000333	0.0000	0.00000
1353	1.375333	0.000333	0.0000	0.00000
1364	1.384844	0.000333	0.0000	0.00000
1375	1.394333	0.000333	0.0000	0.00000
1386	1.403844	0.000333	0.0000	0.00000
1397	1.413333	0.000333	0.0000	0.00000
1408	1.422844	0.000333	0.0000	0.00000
1419	1.432333	0.000333	0.0000	0.00000
1430	1.441844	0.000333	0.0000	0.00000
1441	1.451333	0.000333	0.0000	0.00000
1452	1.460844	0.000333	0.0000	0.00000
1463	1.470333	0.000333	0.0000	0.00000
1474	1.479844	0.000333	0.0000	0.00000
1485	1.489333	0.000333	0.0000	0.00000
1496	1.498844	0.000333	0.0000	0.00000
1507	1.508333	0.000333	0.0000	0.00000
1518	1.517844	0.000333	0.0000	0.00000
1529	1.527333	0.000333	0.0000	0.00000
1540	1.536844	0.000333	0.0000	0.00000
1551	1.546333	0.000333	0.0000	0.00000
1562	1.555844	0.000333	0.0000	0.00000
1573	1.565333	0.000333	0.0000	0.00000
1584	1.574844	0.000333	0.0000	0.00000
1595	1.584333	0.000333	0.0000	0.00000
1606	1.593844	0.000333	0.0000	0.00000
1617	1.603333	0.000333	0.0000	0.00000
1628	1.612844	0.000333	0.0000	0.00000
1639	1.622333	0.000333	0.0000	0.00000
1650	1.631844	0.000333	0.0000	0.00000
1661	1.641333	0.000333	0.0000	0.00000
1672	1.650844	0.000333	0.0000	0.00000
1683	1.660333	0.000333	0.0000	0.00000
1694	1.669844	0.000333	0.0000	0.00000
1705	1.679333	0.000333	0.0000	0.00000
1716	1.688844	0.000333	0.0000	0.00000
1727	1.698333	0.000333	0.0000	0.00000
1738	1.707844	0.000333	0.0000	0.00000
1749	1.717333	0.000333	0.0000	0.00000
1760	1.726844	0.000333	0.0000	0.00000
1771	1.736333	0.000333	0.0000	0.00000
1782	1.745844	0.000333	0.0000	0.00000
1793	1.755333	0.000333	0.0000	0.00000
1804	1.764844	0.000333	0.0000	0.00000
1815	1.774333	0.000333	0.0000	0.00000
1826	1.783844	0.000333	0.0000	0.00000
1837	1.793333	0.000333	0.0000	0.00000
1848	1.802844	0.000333	0.0000	0.00000
1859	1.812333	0.000333	0.0000	0.00000
1870	1.821844	0.000333	0.0000	0.00000
1881	1.831333	0.000333	0.0000	0.00000
1892	1.840844	0.000333	0.0000	0.00000
1903	1.850333	0.000333	0.0000	0.00000
1914	1.859844	0.000333	0.0000	0.00000
1925	1.869333	0.000333	0.0000	0.00000
1936	1.878844	0.000333	0.0000	0.00000
1947	1.888333	0.000333	0.0000	0.00000
1958	1.897844	0.000333	0.0000	0.00000
1969	1.907333	0.000333	0.0000	0.00000
1980	1.916844	0.000333	0.0000	0.00000
1991	1.926333	0.000333	0.0000	0.00000
2002	1.935844	0.000333	0.0000	0.00000
2013	1.945333	0.000333	0.0000	0.00000
2024	1.954844	0.000333	0.0000	0.00000
2035	1.964333	0.000333	0.0000	0.00000
2046	1.973844	0.000333	0.0000	0.00000
2057	1.983333	0.000333	0.0000	0.00000
2068	1.992844	0.000333	0.0000	0.00000
2079	2.002333	0.000333	0.0000	0.00000
2090	2.011844	0.000333	0.0000	0.00000
2101	2.021333	0.000333	0.0000	0.00000
2112	2.030844	0.000333	0.0000	0.00000
2123	2.040333	0.000333	0.0000	0.00000
2134	2.049844	0.000333	0.0000	0.00000
2145	2.059333	0.000333	0.0000	0.00000
2156	2.068844	0.000333	0.0000	0.00000
2167	2.078333	0.000333	0.0000	0.00000
2178	2.087844	0.000333	0.0000	0.00000
2189	2.097333	0.000333	0.0000	0.00000
2200	2.106844	0.000333	0.0000	0.00000
2211	2.116333	0.000333		

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.070487	29570.933377	12.178	1.06757
59	0.120736	230.227673	6.505	1.04353
58	0.159298	48.126905	4.614	1.03043
57	0.190179	32.306923	3.682	1.02256
56	0.215682	19.951649	3.130	1.01746
55	0.237245	10.205311	2.765	1.01394
54	0.255814	8.140099	2.504	1.01140
53	0.272039	6.833216	2.309	1.00948
52	0.286385	5.932467	2.156	1.00800
51	0.299192	5.357363	2.033	1.00683
50	0.311722	4.994438	1.946	1.00591
49	0.323493	4.625795	1.870	1.00504
48	0.335493	4.363264	1.803	1.00420
47	0.347992	4.139203	1.745	1.00340
46	0.360354	3.943943	1.693	1.00261
45	0.372163	3.760999	1.647	1.00186
44	0.383601	3.594994	1.605	1.00119
43	0.394774	3.445997	1.566	1.00059
42	0.405752	3.312052	1.530	1.00003
41	0.416580	3.191772	1.495	1.00001
40	0.427292	3.087196	1.462	1.00000
39	0.437912		1.430	

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
1	1	1	1	1
1	6	16	1	1
1	2	21	1	1
1	3	26	1	1
1	4	31	1	1
1	5	36	1	1
1	6	41	1	1
1	7	46	1	1
1	8	51	1	1
1	9	56	1	1
1	10	61	1	1
1	11	66	1	1
1	12	71	1	1
1	13	76	1	1
1	14	81	1	1
1	15	86	1	1
1	16	91	1	1
1	17	96	1	1
1	18	101	1	1
1	19	106	1	1
1	20	111	1	1
1	21	116	1	1
1	22	121	1	1
1	23	126	1	1
1	24	131	1	1
1	25	136	1	1
1	26	141	1	1
1	27	146	1	1
1	28	151	1	1
1	29	156	1	1
1	30	161	1	1
1	31	166	1	1
1	32	171	1	1
1	33	176	1	1
1	34	181	1	1
1	35	186	1	1
1	36	191	1	1
1	37	196	1	1
1	38	201	1	1
1	39	206	1	1
1	40	211	1	1
1	41	216	1	1
1	42	221	1	1
1	43	226	1	1
1	44	231	1	1
1	45	236	1	1
1	46	241	1	1
1	47	246	1	1
1	48	251	1	1
1	49	256	1	1
1	50	261	1	1
1	51	266	1	1
1	52	271	1	1
1	53	276	1	1
1	54	281	1	1
1	55	286	1	1
1	56	291	1	1
1	57	296	1	1
1	58	301	1	1
1	59	306	1	1
1	60	311	1	1

CONFIDENCE LEVEL=.999
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	1	1	1	1
2	2	2	2	2
2	3	3	3	3
2	4	4	4	4
2	5	5	5	5
2	6	6	6	6
2	7	7	7	7
2	8	8	8	8
2	9	9	9	9
2	10	10	10	10
2	11	11	11	11
2	12	12	12	12
2	13	13	13	13
2	14	14	14	14
2	15	15	15	15
2	16	16	16	16
2	17	17	17	17
2	18	18	18	18
2	19	19	19	19
2	20	20	20	20
2	21	21	21	21
2	22	22	22	22
2	23	23	23	23
2	24	24	24	24
2	25	25	25	25
2	26	26	26	26
2	27	27	27	27
2	28	28	28	28
2	29	29	29	29
2	30	30	30	30
2	31	31	31	31
2	32	32	32	32
2	33	33	33	33
2	34	34	34	34
2	35	35	35	35
2	36	36	36	36
2	37	37	37	37
2	38	38	38	38
2	39	39	39	39
2	40	40	40	40
2	41	41	41	41
2	42	42	42	42
2	43	43	43	43
2	44	44	44	44
2	45	45	45	45
2	46	46	46	46
2	47	47	47	47
2	48	48	48	48
2	49	49	49	49
2	50	50	50	50
2	51	51	51	51
2	52	52	52	52
2	53	53	53	53
2	54	54	54	54
2	55	55	55	55
2	56	56	56	56
2	57	57	57	57
2	58	58	58	58
2	59	59	59	59
2	60	60	60	60

CONFIDENCE LEVEL=.999
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.002362	963395	2.983	1.01743
1	0.003646	1669.144862	1.493	1.00251
2	0.004450	224.701141	1.000	1.00000
3	0.004992	86.217042	0.760	1.00112
4	0.005377	49.653468	0.620	1.00327
5	0.005660	34.712662	0.530	1.00557
6	0.005876	27.039247	0.469	1.00773
7	0.006043	22.497283	0.422	1.00967
8	0.006182	19.541352	0.383	1.01138
9	0.006293	17.483586	0.351	1.01289
10	0.006464	15.832357	0.322	1.01539
11	0.006589	14.213106	0.293	1.01737
12	0.006684	12.733527	0.275	1.01895
13	0.006753	11.354114	0.260	1.02024
14	0.006818	10.077474	0.243	1.02132
15	0.006927	9.814476	0.228	1.02234
16	0.006999	9.228572	0.214	1.02347
17	0.007052	9.334534	0.205	1.02580
18	0.007091	8.555176	0.193	1.02659
19	0.007121	8.338998	0.193	1.02722
20	0.007146	8.173174	0.183	1.02774
25	0.007166	7.930337	0.185	1.02916
30	0.007182	7.931534	0.182	1.02951

CONFIDENCE LEVEL=.999
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.005934	885852	3.923	1.02500
1	0.009335	1508.352838	1.964	1.00673
2	0.011535	200.304357	1.217	1.00112
3	0.013136	76.124157	1.000	1.00000
4	0.014265	43.421099	0.815	1.00059
5	0.015117	30.150648	0.697	1.00180
6	0.015779	23.355646	0.614	1.00318
7	0.016306	19.739280	0.554	1.00457
8	0.016733	16.923150	0.503	1.00587
9	0.017091	14.923150	0.472	1.00707
10	0.017646	13.598833	0.420	1.00916
11	0.018057	12.178931	0.384	1.01039
12	0.018372	10.922927	0.357	1.01133
13	0.018624	9.951333	0.337	1.01350
14	0.019383	9.045533	0.321	1.01451
15	0.019202	8.207359	0.293	1.01644
16	0.019456	7.696563	0.275	1.01783
17	0.019639	7.353369	0.263	1.01886
18	0.019778	7.107169	0.253	1.01966
19	0.019896	6.922042	0.246	1.02030
20	0.019974	6.777319	0.240	1.02082
25	0.020043	6.662370	0.236	1.02123
30	0.020103	6.567754	0.232	1.02162

CONFIDENCE LEVEL=.999
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0010039	841903.296512	4.7955	1.03064
1	0.0016083	1415.176854	2.405	1.01082
2	0.0020140	185.990814	1.613	1.00327
3	0.0023303	70.100813	1.226	1.00059
4	0.0025177	39.719451	1.000	1.00000
5	0.0026824	27.431165	0.854	1.00034
6	0.0028123	21.155265	0.752	1.00108
7	0.0029172	17.456497	0.678	1.00197
8	0.0030034	15.057536	0.621	1.00289
9	0.0030756	13.392150	0.577	1.00380
10	0.0031893	11.925318	0.512	1.00547
11	0.0033747	10.995133	0.467	1.00692
12	0.0035411	9.081535	0.434	1.00816
13	0.0036943	7.461447	0.409	1.00922
14	0.0038437	6.098400	0.389	1.01014
15	0.0039800	5.232433	0.354	1.01193
16	0.0041180	4.676030	0.331	1.01324
17	0.0042573	4.339523	0.315	1.01424
18	0.0043964	4.059950	0.303	1.01500
19	0.0045367	3.823203	0.294	1.01565
20	0.0046770	3.622966	0.287	1.01626
21	0.0048182	3.452966	0.281	1.01686
22	0.0049602	3.312816	0.276	1.01746

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0014063	314203.817357	3.591	1.03288
1	0.0028803	145.151699	2.503	1.01439
2	0.0033167	76.679965	1.887	1.00557
3	0.0036453	60.152246	1.435	1.00160
4	0.0039013	50.280424	1.171	1.00034
5	0.0041054	43.32946	1.000	1.00000
6	0.0042718	38.632950	0.881	1.00021
7	0.0044093	34.201179	0.793	1.00069
8	0.0045266	30.837336	0.727	1.00134
9	0.0046263	28.353534	0.673	1.00222
10	0.0047111	26.699334	0.634	1.00347
11	0.0047851	25.692133	0.605	1.00477
12	0.0048505	25.052133	0.475	1.00640
13	0.0049099	24.575948	0.452	1.00731
14	0.0049633	24.233333	0.410	1.00835
15	0.0050117	23.987336	0.383	1.01003
16	0.0050551	23.843303	0.363	1.01102
17	0.0050935	23.764976	0.349	1.01277
18	0.0051269	23.747915	0.338	1.01438
19	0.0051553	23.733339	0.330	1.01588
20	0.0051776	23.725313	0.323	1.01730
21	0.0051948	23.717467	0.317	1.01866

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.017757	795663	6.310	1.03813
1	0.029070	13133	3.178	1.01727
2	0.036983	1700	2.138	1.00773
3	0.042814	633	1.628	1.00318
4	0.047270	355	1.329	1.00108
5	0.050774	224	1.135	1.00021
6	0.053596	122	1.000	1.00000
7	0.055916	65	0.901	1.00014
8	0.057856	30	0.825	1.00047
9	0.059500	15	0.765	1.00089
10	0.062135	9	0.677	1.00184
11	0.064154	5	0.591	1.00279
12	0.065748	3	0.517	1.00367
13	0.067039	2	0.453	1.00447
14	0.068106	1	0.399	1.00519
15	0.070106	0	0.463	1.00667
16	0.071499	0	0.430	1.00780
17	0.072524	0	0.408	1.00869
18	0.073311	0	0.391	1.00940
19	0.073934	0	0.379	1.00999
20	0.074433	0	0.369	1.01047
21	0.074857	0	0.360	1.01088
22	0.075208	0	0.354	1.01123

CONFIDENCE LEVEL = .999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.021058	782395	6.959	1.04068
1	0.034739	12233	3.514	1.01973
2	0.044450	1653	2.333	1.00967
3	0.051693	611	1.803	1.00457
4	0.057285	334	1.475	1.00197
5	0.061724	233	1.260	1.00069
6	0.065328	147	1.110	1.00014
7	0.068333	88	1.000	1.00000
8	0.070818	44	0.916	1.00010
9	0.072956	22	0.849	1.00033
10	0.076405	11	0.751	1.00098
11	0.079067	6	0.683	1.00172
12	0.081182	3	0.633	1.00245
13	0.082904	1	0.594	1.00315
14	0.084332	0	0.563	1.00376
15	0.087025	0	0.509	1.00508
16	0.088913	0	0.474	1.00612
17	0.090310	0	0.449	1.00696
18	0.091386	0	0.430	1.00763
19	0.092239	0	0.416	1.00819
20	0.093508	0	0.404	1.00865
21	0.093993	0	0.395	1.00904
22	0.093993	0	0.387	1.00938

CONFIDENCE LEVEL = .999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

9 DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0233978	772547.509131	7.5444	1.04272
2	0.0398004	1261.287900	3.818	1.02180
3	0.051174	161.772476	2.578	1.01133
4	0.059740	59.753443	1.967	1.00587
5	0.066412	33.295367	1.609	1.00289
6	0.071748	22.676449	1.376	1.00129
7	0.076110	17.284404	1.212	1.00047
8	0.079741	14.120669	1.092	1.00010
9	0.082809	12.075913	1.000	1.00000
10	0.085437	10.660421	0.927	1.00007
11	0.087701	9.848100	0.870	1.00047
12	0.089301	9.748602	0.743	1.00102
13	0.090566	9.015757	0.690	1.00167
14	0.091782	8.494459	0.647	1.00233
15	0.092962	8.105600	0.613	1.00300
16	0.103005	7.463433	0.553	1.00390
17	0.105444	6.073145	0.514	1.00483
18	0.107337	4.811392	0.486	1.00567
19	0.108619	4.623355	0.466	1.00629
20	0.109771	4.482973	0.450	1.00674
21	0.111061	4.375303	0.437	1.00722
22	0.111335	4.285526	0.427	1.00754
23	0.111986	4.215693	0.418	1.00794

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

10 DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.026555	764800.932869	8.071	1.04439
2	0.044311	124303.593059	4.095	1.02339
3	0.057196	15803.903631	2.770	1.01707
4	0.066938	58.500607	2.117	1.01007
5	0.074671	32.514309	1.733	1.00680
6	0.080856	22.095529	1.432	1.00464
7	0.085940	16.806784	1.307	1.00329
8	0.090194	13.706934	1.178	1.00200
9	0.093805	11.704326	1.078	1.00087
10	0.096909	10.318929	1.000	1.00000
11	0.101973	9.545686	0.884	1.00013
12	0.105928	7.470392	0.803	1.00056
13	0.109104	6.753905	0.743	1.00102
14	0.111771	6.244353	0.697	1.00150
15	0.113888	5.864325	0.660	1.00206
16	0.115803	5.236843	0.595	1.00300
17	0.117710	4.855339	0.552	1.00387
18	0.119385	4.599833	0.521	1.00459
19	0.121168	4.416639	0.481	1.00509
20	0.122622	4.279017	0.467	1.00614
21	0.124329	4.171887	0.456	1.00643
22	0.125924	4.086144	0.456	1.00679
23	0.127902	4.015975	0.447	1.00709

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.030852	754243.757405	3.980	1.04695
1	0.051902	1217.880241	4.577	1.02633
2	0.067420	154.705967	3.107	1.01539
3	0.079372	56.671572	2.380	1.00916
4	0.088864	31.355143	1.953	1.00547
5	0.096585	21.225648	1.673	1.00323
6	0.102992	16.093897	1.476	1.00184
7	0.108397	13.088139	1.331	1.00098
8	0.113019	11.148113	1.219	1.00047
9	0.117018	9.806550	1.131	1.00018
10	0.120597	8.090844	1.000	1.00000
11	0.123786	7.051149	0.909	1.00001
12	0.126666	6.358690	0.839	1.00003
13	0.129357	5.866377	0.786	1.00006
14	0.131975	5.499271	0.744	1.00009
15	0.134549	5.233243	0.700	1.00013
16	0.137080	4.952502	0.620	1.00025
17	0.139591	4.727809	0.585	1.00031
18	0.142086	4.510113	0.553	1.00036
19	0.144575	4.363274	0.533	1.00040
20	0.147059	4.278007	0.522	1.00044
21	0.149538	4.213990	0.509	1.00048
22	0.152012	4.171421	0.498	1.00053

CONFIDENCE LEVEL=.999
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.0334261	747024.209843	9.733	1.04981
1	0.057984	1200.174231	4.981	1.02344
2	0.075682	151.776040	3.392	1.01737
3	0.089454	55.381140	2.605	1.01039
4	0.100490	30.537270	2.141	1.00692
5	0.109542	20.611030	1.837	1.00441
6	0.117107	15.587367	1.623	1.00276
7	0.123530	12.647582	1.464	1.00172
8	0.129056	10.751165	1.343	1.00102
9	0.133862	9.440376	1.245	1.00056
10	0.138221	8.464840	1.102	1.00011
11	0.142149	7.764995	1.000	1.00000
12	0.145730	7.207420	0.924	1.00007
13	0.149092	6.759384	0.856	1.00023
14	0.152321	6.423568	0.819	1.00045
15	0.155482	6.144453	0.736	1.00104
16	0.158620	5.928519	0.680	1.00162
17	0.161770	5.744252	0.641	1.00213
18	0.164805	5.611600	0.613	1.00259
19	0.167845	5.51878	0.589	1.00299
20	0.170842	5.460875	0.570	1.00333
21	0.173807	5.430021	0.553	1.00363
22	0.176747	5.423841	0.543	1.00390

CONFIDENCE LEVEL=.999
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.0041160	735068.765898	11.357	1.055219
1	0.0070457	1159.826597	11.869	1.032247
2	0.0092810	146.672258	11.027	1.02132
3	0.0110551	155.111430	11.113	1.01451
4	0.0122503	159.089138	11.237	1.01014
5	0.0137089	159.517360	11.221	1.00721
6	0.0147320	14.692994	11.963	1.00512
7	0.0156122	111.857903	11.775	1.00376
8	0.0163784	111.003763	11.633	1.00272
9	0.0170523	111.780317	11.515	1.00196
10	0.0181842	7.174897	11.343	1.00098
11	0.0190997	5.220501	11.221	1.00045
12	0.0198666	5.356099	11.129	1.00016
13	0.0204937	5.006263	11.057	1.00003
14	0.0210377	4.753378	11.000	1.00000
15	0.0212899	4.618716	11.897	1.00013
16	0.0213491	4.611775	11.827	1.00039
17	0.0213363	4.611775	11.778	1.00068
18	0.0213363	4.611775	11.740	1.00096
19	0.0213363	4.611775	11.711	1.00123
20	0.0213363	4.611775	11.687	1.00148
21	0.0213363	4.611775	11.668	1.00171
22	0.0213363	4.611775	11.652	1.00191

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.0044736	729974.657476	12.239	1.05379
1	0.0077000	1156.338970	12.372	1.03445
2	0.0110189	145.333214	12.333	1.02334
3	0.0122184	152.078307	12.409	1.01644
4	0.0133626	152.425514	12.335	1.01193
5	0.0145206	152.013188	12.325	1.00883
6	0.0156386	144.264194	12.167	1.00667
7	0.0167408	111.490095	12.964	1.00508
8	0.0173303	111.705074	12.807	1.00390
9	0.0179099	8.477300	12.682	1.00300
10	0.0183366	6.897300	12.494	1.00178
11	0.0186311	5.945090	12.359	1.00104
12	0.0188321	5.310091	12.179	1.00058
13	0.0189322	4.860007	12.153	1.00030
14	0.0189322	4.523331	12.113	1.00013
15	0.0189322	4.300193	12.000	1.00000
16	0.0189322	4.030189	11.922	1.00007
17	0.0189322	3.740085	11.866	1.00022
18	0.0189322	3.400100	11.823	1.00040
19	0.0189322	3.117466	11.790	1.00059
20	0.0189322	2.821133	11.763	1.00077
21	0.0189322	2.545233	11.741	1.00094
22	0.0189322	2.282411	11.722	1.00110

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.0047251	726757.996903	12.921	1.05485
1	0.0081634	147.698147	6.746	1.03580
2	0.0108359	142.870039	4.668	1.02476
3	0.0129928	51.398982	3.634	1.01783
4	0.0147796	27.987041	3.019	1.01324
5	0.0162900	18.679490	2.614	1.01003
6	0.0175876	13.986287	2.326	1.00780
7	0.0187113	11.246939	2.112	1.00612
8	0.0197116	9.483406	1.945	1.00485
9	0.0205950	8.266194	1.812	1.00387
10	0.0212993	6.712294	1.613	1.00250
11	0.0218336	5.771949	1.470	1.00162
12	0.0222537	5.145945	1.362	1.00104
13	0.0225822	4.700824	1.277	1.00065
14	0.0228222	4.368745	1.209	1.00039
15	0.0229777	4.133830	1.158	1.00007
16	0.0230503	3.985499	1.116	1.00000
17	0.0230881	3.899220	1.084	1.00000
18	0.0230975	3.847716	1.060	1.00004
19	0.0230885	3.817716	1.044	1.00014
20	0.0230636	3.806819	1.035	1.00026
21	0.0230217	3.744466	1.031	1.00038
22	0.0229552		1.025	1.00051
23	0.0228666		1.021	1.00064
24	0.0227539		1.019	1.00078
25	0.0226217		1.018	1.00092
26	0.0224755		1.018	1.00106
27	0.0223211		1.019	1.00120
28	0.0221552		1.020	1.00134
29	0.0219844		1.022	1.00148
30	0.0218152		1.025	1.00162
31	0.0216452		1.029	1.00176
32	0.0214721		1.034	1.00190
33	0.0212956		1.040	1.00204
34	0.0211154		1.047	1.00218
35	0.0209314		1.055	1.00232
36	0.0207434		1.064	1.00246
37	0.0205504		1.074	1.00260
38	0.0203524		1.085	1.00274
39	0.0201494		1.097	1.00288
40	0.0199414		1.110	1.00302
41	0.0197284		1.124	1.00316
42	0.0195104		1.139	1.00330
43	0.0192874		1.155	1.00344
44	0.0190594		1.172	1.00358
45	0.0188264		1.190	1.00372
46	0.0185884		1.209	1.00386
47	0.0183454		1.229	1.00400
48	0.0180974		1.250	1.00414
49	0.0178444		1.272	1.00428
50	0.0175864		1.296	1.00442
51	0.0173234		1.321	1.00456
52	0.0170554		1.347	1.00470
53	0.0167824		1.374	1.00484
54	0.0165044		1.403	1.00498
55	0.0162214		1.433	1.00512
56	0.0159334		1.464	1.00526
57	0.0156404		1.496	1.00540
58	0.0153424		1.529	1.00554
59	0.0150394		1.563	1.00568
60	0.0147314		1.598	1.00582
61	0.0144184		1.634	1.00596
62	0.0141004		1.671	1.00610
63	0.0137774		1.709	1.00624
64	0.0134494		1.748	1.00638
65	0.0131164		1.788	1.00652
66	0.0127784		1.829	1.00666
67	0.0124354		1.871	1.00680
68	0.0120874		1.914	1.00694
69	0.0117344		1.958	1.00708
70	0.0113764		2.003	1.00722
71	0.0110134		2.049	1.00736
72	0.0106454		2.096	1.00750
73	0.0102724		2.144	1.00764
74	0.0098944		2.193	1.00778
75	0.0095114		2.243	1.00792
76	0.0091234		2.294	1.00806
77	0.0087304		2.346	1.00820
78	0.0083324		2.399	1.00834
79	0.0079294		2.453	1.00848
80	0.0075214		2.508	1.00862
81	0.0071084		2.564	1.00876
82	0.0066904		2.621	1.00890
83	0.0062674		2.679	1.00904
84	0.0058394		2.738	1.00918
85	0.0054064		2.798	1.00932
86	0.0049684		2.859	1.00946
87	0.0045254		2.921	1.00960
88	0.0040774		2.984	1.00974
89	0.0036244		3.048	1.00988
90	0.0031664		3.113	1.01002
91	0.0027034		3.179	1.01016
92	0.0022354		3.246	1.01030
93	0.0017624		3.314	1.01044
94	0.0012844		3.383	1.01058
95	0.0008014		3.453	1.01072
96	0.0003134		3.524	1.01086
97	0.0000004		3.596	1.01100
98	0.0000000		3.669	1.01114
99	0.0000000		3.743	1.01128
100	0.0000000		3.818	1.01142

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.0049114	724550.347690	13.427	1.05561
1	0.0085508	141.862923	7.034	1.03578
2	0.0113198	141.812883	4.682	1.02580
3	0.0133599	50.919004	3.809	1.01783
4	0.0149668	27.673463	3.172	1.01324
5	0.0161077	18.442338	2.751	1.01003
6	0.0168497	13.796453	2.551	1.00780
7	0.0172840	11.072943	2.455	1.00612
8	0.0174840	9.323515	2.330	1.00485
9	0.0175173	8.113999	2.236	1.00387
10	0.0174374	6.549343	2.153	1.00250
11	0.0172572	5.647612	2.084	1.00162
12	0.0169865	4.927265	2.029	1.00104
13	0.0166341	4.358607	1.984	1.00065
14	0.0162111	3.926883	1.947	1.00039
15	0.0157285	3.580445	1.916	1.00007
16	0.0151861	3.300723	1.889	1.00000
17	0.0145939	3.066539	1.866	1.00000
18	0.0139519	2.865599	1.847	1.00004
19	0.0132601	2.693642	1.831	1.00014
20	0.0125285	2.546540	1.818	1.00026
21	0.0117571	2.419440	1.809	1.00038
22	0.0109459	2.308381	1.803	1.00051
23	0.0100949	2.210214	1.800	1.00064
24	0.0092041	2.122140	1.800	1.00078
25	0.0082735	2.042140	1.801	1.00092
26	0.0073031	1.967140	1.803	1.00106
27	0.0062929	1.895140	1.806	1.00120
28	0.0052429	1.825140	1.810	1.00134
29	0.0041531	1.756140	1.815	1.00148
30	0.0030235	1.687140	1.821	1.00162
31	0.0018541	1.618140	1.828	1.00176
32	0.0006449	1.548140	1.836	1.00190
33	0.0000000	1.477140	1.845	1.00204
34	0.0000000	1.405140	1.855	1.00218
35	0.0000000	1.332140	1.866	1.00232
36	0.0000000	1.258140	1.878	1.00246
37	0.0000000	1.183140	1.891	1.00260
38	0.0000000	1.107140	1.905	1.00274
39	0.0000000	1.030140	1.920	1.00288
40	0.0000000	0.952140	1.936	1.00302
41	0.0000000	0.873140	1.953	1.00316
42	0.0000000	0.793140	1.971	1.00330
43	0.0000000	0.712140	1.990	1.00344
44	0.0000000	0.630140	2.010	1.00358
45	0.0000000	0.547140	2.031	1.00372
46	0.0000000	0.463140	2.053	1.00386
47	0.0000000	0.378140	2.076	1.00400
48	0.0000000	0.292140	2.100	1.00414
49	0.0000000	0.205140	2.125	1.00428
50	0.0000000	0.118140	2.151	1.00442
51	0.0000000	0.031140	2.178	1.00456
52	0.0000000	0.000000	2.206	1.00470
53	0.0000000	0.000000	2.235	1.00484
54	0.0000000	0.000000	2.265	1.00498
55	0.0000000	0.000000	2.296	1.00512
56	0.0000000	0.000000	2.328	1.00526
57	0.0000000	0.000000	2.361	1.00540
58	0.0000000	0.000000	2.395	1.00554
59	0.0000000	0.000000	2.430	1.00568
60	0.0000000	0.000000	2.466	1.00582
61	0.0000000	0.000000	2.503	1.00596
62	0.0000000	0.000000	2.541	1.00610
63	0.0000000	0.000000	2.580	1.00624
64	0.0000000	0.000000	2.620	1.00638
65	0.0000000	0.000000	2.661	1.00652
66	0.0000000	0.000000	2.703	1.00666
67	0.0000000	0.000000	2.746	1.00680
68	0.0000000	0.000000	2.790	1.00694
69	0.0000000	0.000000	2.835	1.00708
70	0.0000000	0.000000	2.881	1.00722
71	0.0000000	0.000000	2.928	1.00736
72	0.0000000	0.000000	2.976	1.00750
73	0.0000000	0.000000	3.025	1.00764
74	0.0000000	0.000000	3.075	1.00778
75	0.0000000	0.000000	3.126	1.00792
76	0.0000000	0.000000	3.178	1.00806
77	0.0000000	0.000000	3.231	1.00820
78	0.0000000	0.000000	3.285	1.00834
79	0.0000000	0.000000	3.340	1.00848
80	0.0000000	0.000000	3.396	1.00862
81	0.0000000	0.000000	3.453	1.00876
82	0.0000000	0.000000	3.511	1.00890
83	0.0000000	0.000000	3.570	1.00904
84	0.0000000	0.000000	3.630	1.00918
85	0.0000000	0.000000	3.691	1.00932
86	0.0000000	0.000000	3.753	1.00946
87	0.0000000	0.000000	3.816	1.00960
88	0.0000000	0.000000	3.880	1.00974
89	0.0000000	0.000000	3.945	1.00988
90	0.0000000	0.000000	4.011	1.01002
91	0.0000000	0.000000	4.078	1.01016
92	0.0000000	0.000000	4.146	1.01030
93	0.0000000	0.000000	4.215	1.01044
94	0.0000000	0.000000	4.285	1.01058
95	0.0000000	0.000000	4.356	1.01072
96	0.0000000	0.000000	4.428	1.01086
97	0.0000000	0.000000	4.501	1.01100
98	0.0000000	0.000000	4.575	1.01114
99	0.0000000	0.000000	4.650	1.01128
100	0.0000000	0.000000	4.726	1.01142

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.050547	722944.413535	13.826	1.05618
1	0.087743	1137.154040	7.263	1.03752
2	0.116933	141.023891	5.052	1.02653
3	0.140700	50.561970	3.951	1.01966
4	0.160554	27.444864	3.296	1.01502
5	0.177463	18.265270	2.863	1.01177
6	0.192093	13.640456	2.555	1.00940
7	0.204914	10.942613	2.326	1.00763
8	0.216270	9.206491	2.148	1.00626
9	0.226417	8.003499	2.005	1.00519
10	0.235383	6.473367	1.790	1.00363
11	0.243399	5.533366	1.533	1.00259
12	0.250527	4.937743	1.318	1.00186
13	0.256910	4.493399	1.143	1.00134
14	0.262501	4.173100	1.035	1.00096
15	0.267332	3.930034	1.211	1.00040
16	0.271486	3.700000	1.121	1.00014
17	0.275000	3.507822	1.053	1.00003
18	0.277922	3.319137	1.000	1.00000
19	0.280308	3.176763	0.959	1.00002
20	0.282200	3.034334	0.925	1.00006
21	0.283633	2.897734	0.897	1.00012
22	0.284627	2.765533	0.873	1.00019

CONFIDENCE LEVEL=.999
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.053168	721725.204956	14.149	1.05663
1	0.089933	1133.719437	7.449	1.03810
2	0.119100	140.424319	5.192	1.02722
3	0.144466	50.233333	4.067	1.02030
4	0.166502	27.265346	3.357	1.01565
5	0.182553	18.127947	2.955	1.01233
6	0.197814	13.533333	2.641	1.00990
7	0.211192	10.941333	2.406	1.00813
8	0.223306	9.114211	2.224	1.00679
9	0.233369	7.923300	2.073	1.00569
10	0.241999	6.402441	1.857	1.00400
11	0.249672	5.480873	1.659	1.00233
12	0.256393	4.967789	1.513	1.00165
13	0.262134	4.431590	1.407	1.00123
14	0.266907	4.103927	1.266	1.00059
15	0.271713	3.856873	1.169	1.00026
16	0.276548	3.606055	1.099	1.00009
17	0.281413	3.354599	1.043	1.00002
18	0.286307	3.103004	1.000	1.00000
19	0.291229	2.851400	0.965	1.00001
20	0.296171	2.641906	0.935	1.00005
21	0.301144	2.566237	0.911	1.00009
22	0.306159	2.504139		

CONFIDENCE LEVEL=.999
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.052606	720768.878863	14.415	1.05698
1	0.091532	1131.001294	7.603	1.03857
2	0.122351	139.944456	5.308	1.02774
3	0.147540	50.066316	4.163	1.02082
4	0.168685	27.122614	3.483	1.01616
5	0.186782	18.018369	3.033	1.01288
6	0.202510	13.453332	2.713	1.01047
7	0.216352	10.760412	2.474	1.00865
8	0.228660	9.040394	2.288	1.00723
9	0.239700	7.853668	2.139	1.00611
10	0.249874	6.938938	2.015	1.00522
11	0.259255	6.22234	1.913	1.00446
12	0.267970	5.642234	1.830	1.00383
13	0.276155	5.16508	1.753	1.00333
14	0.283820	4.777032	1.680	1.00292
15	0.291013	4.437703	1.615	1.00259
16	0.297766	4.135293	1.553	1.00233
17	0.304137	3.867092	1.493	1.00211
18	0.309990	3.621870	1.438	1.00193
19	0.315355	3.395790	1.388	1.00177
20	0.320272	3.187092	1.340	1.00163
21	0.324766	2.995790	1.295	1.00150
22	0.328855	2.806400	1.253	1.00138
23	0.332555	2.686068	1.213	1.00127
24	0.335900	2.581950	1.175	1.00117
25	0.338851	2.491170	1.138	1.00108
26	0.341455	2.412551	1.103	1.00100
27	0.343750	2.344170	1.070	1.00093
28	0.345750	2.285170	1.037	1.00087
29	0.347450	2.234170	1.007	1.00082
30	0.348850	2.189170	0.977	1.00077
31	0.349950	2.149170	0.944	1.00073
32	0.350750	2.114170	0.913	1.00069
33	0.351350	2.083170	0.883	1.00065
34	0.351750	2.056170	0.854	1.00061
35	0.352050	2.032170	0.826	1.00057
36	0.352250	2.010170	0.800	1.00053
37	0.352350	1.989170	0.775	1.00050
38	0.352350	1.969170	0.751	1.00047
39	0.352250	1.950170	0.728	1.00044
40	0.352050	1.932170	0.706	1.00041
41	0.351750	1.915170	0.685	1.00038
42	0.351350	1.898170	0.665	1.00035
43	0.350750	1.882170	0.646	1.00032
44	0.349950	1.866170	0.628	1.00029
45	0.348850	1.850170	0.611	1.00026
46	0.347450	1.834170	0.595	1.00023
47	0.345750	1.818170	0.579	1.00020
48	0.343750	1.802170	0.564	1.00017
49	0.341450	1.786170	0.549	1.00014
50	0.338850	1.770170	0.534	1.00011
51	0.335900	1.754170	0.519	1.00008
52	0.332555	1.738170	0.504	1.00005
53	0.328820	1.722170	0.489	1.00002
54	0.324766	1.706170	0.474	1.00000
55	0.320272	1.690170	0.459	1.00000
56	0.315355	1.674170	0.444	1.00000
57	0.309990	1.658170	0.429	1.00000
58	0.304137	1.642170	0.414	1.00000
59	0.297766	1.626170	0.399	1.00000
60	0.291013	1.610170	0.384	1.00000

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.053371	719999.999922	14.638	1.05727
1	0.093301	11228.786312	7.733	1.03896
2	0.124373	139.553933	5.406	1.02791
3	0.150098	49.887333	4.243	1.02096
4	0.171734	27.006023	3.555	1.01629
5	0.190284	17.923903	3.099	1.01280
6	0.206433	13.353863	2.775	1.01038
7	0.220667	10.694233	2.532	1.00890
8	0.233344	9.330004	2.344	1.00761
9	0.244730	7.787321	2.193	1.00649
10	0.254411	6.528731	2.065	1.00550
11	0.262839	5.537133	1.950	1.00463
12	0.269962	4.765490	1.847	1.00386
13	0.275713	4.133203	1.753	1.00319
14	0.280136	3.623752	1.677	1.00261
15	0.283255	3.203752	1.613	1.00211
16	0.285125	2.862252	1.559	1.00167
17	0.285805	2.584252	1.513	1.00129
18	0.285349	2.355006	1.473	1.00094
19	0.283805	2.164705	1.438	1.00061
20	0.281240	2.005073	1.407	1.00031
21	0.277740	1.874373	1.379	1.00004
22	0.273450	1.765551	1.353	1.00000
23	0.268550	1.674170	1.329	1.00000
24	0.263250	1.596170	1.306	1.00000
25	0.257650	1.529170	1.284	1.00000
26	0.251850	1.471170	1.263	1.00000
27	0.245950	1.420170	1.243	1.00000
28	0.240050	1.374170	1.224	1.00000
29	0.234250	1.332170	1.206	1.00000
30	0.228550	1.293170	1.189	1.00000
31	0.223050	1.257170	1.173	1.00000
32	0.217750	1.223170	1.158	1.00000
33	0.212650	1.191170	1.143	1.00000
34	0.207750	1.160170	1.129	1.00000
35	0.203050	1.130170	1.115	1.00000
36	0.198550	1.101170	1.102	1.00000
37	0.194250	1.073170	1.089	1.00000
38	0.190150	1.046170	1.077	1.00000
39	0.186250	1.020170	1.065	1.00000
40	0.182550	0.995170	1.054	1.00000
41	0.179050	0.970170	1.043	1.00000
42	0.175750	0.946170	1.033	1.00000
43	0.172650	0.922170	1.023	1.00000
44	0.169750	0.899170	1.013	1.00000
45	0.167050	0.876170	1.003	1.00000
46	0.164550	0.854170	0.993	1.00000
47	0.162250	0.832170	0.983	1.00000
48	0.160150	0.810170	0.973	1.00000
49	0.158250	0.788170	0.963	1.00000
50	0.156550	0.766170	0.953	1.00000
51	0.155050	0.745170	0.943	1.00000
52	0.153750	0.724170	0.933	1.00000
53	0.152650	0.703170	0.923	1.00000
54	0.151750	0.682170	0.913	1.00000
55	0.151050	0.661170	0.903	1.00000

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.054014	719366.136303	14.827	1.05751
1	0.0942215	1126.973301	7.844	1.03928
2	0.1260079	139.230137	5.490	1.02351
3	0.1522259	49.738709	4.316	1.00962
4	0.1743313	26.909103	3.617	1.00169
5	0.193249	17.854480	3.156	1.001366
6	0.209758	13.296464	2.838	1.001123
7	0.2243229	10.639115	2.582	1.000938
8	0.237322	8.929631	2.392	1.000794
9	0.249006	7.750346	2.239	1.000679
10	0.269236	6.245110	2.008	1.000509
11	0.286221	5.233976	1.842	1.000390
12	0.300733	4.726931	1.715	1.000304
13	0.313321	4.294333	1.615	1.000240
14	0.324365	3.972073	1.534	1.000191
15	0.334632	3.72225	1.484	1.000110
16	0.344437	3.510139	1.428	1.000064
17	0.353831	3.339373	1.384	1.000036
18	0.363975	3.20133	1.345	1.000013
19	0.373931	3.093379	1.309	1.000000
20	0.407470	2.95636	1.277	1.000003
21	0.414432	2.83920	1.247	1.000001
22	0.420591	2.77608	1.220	1.000000

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

APPENDIX B

ILLUSTRATIONS

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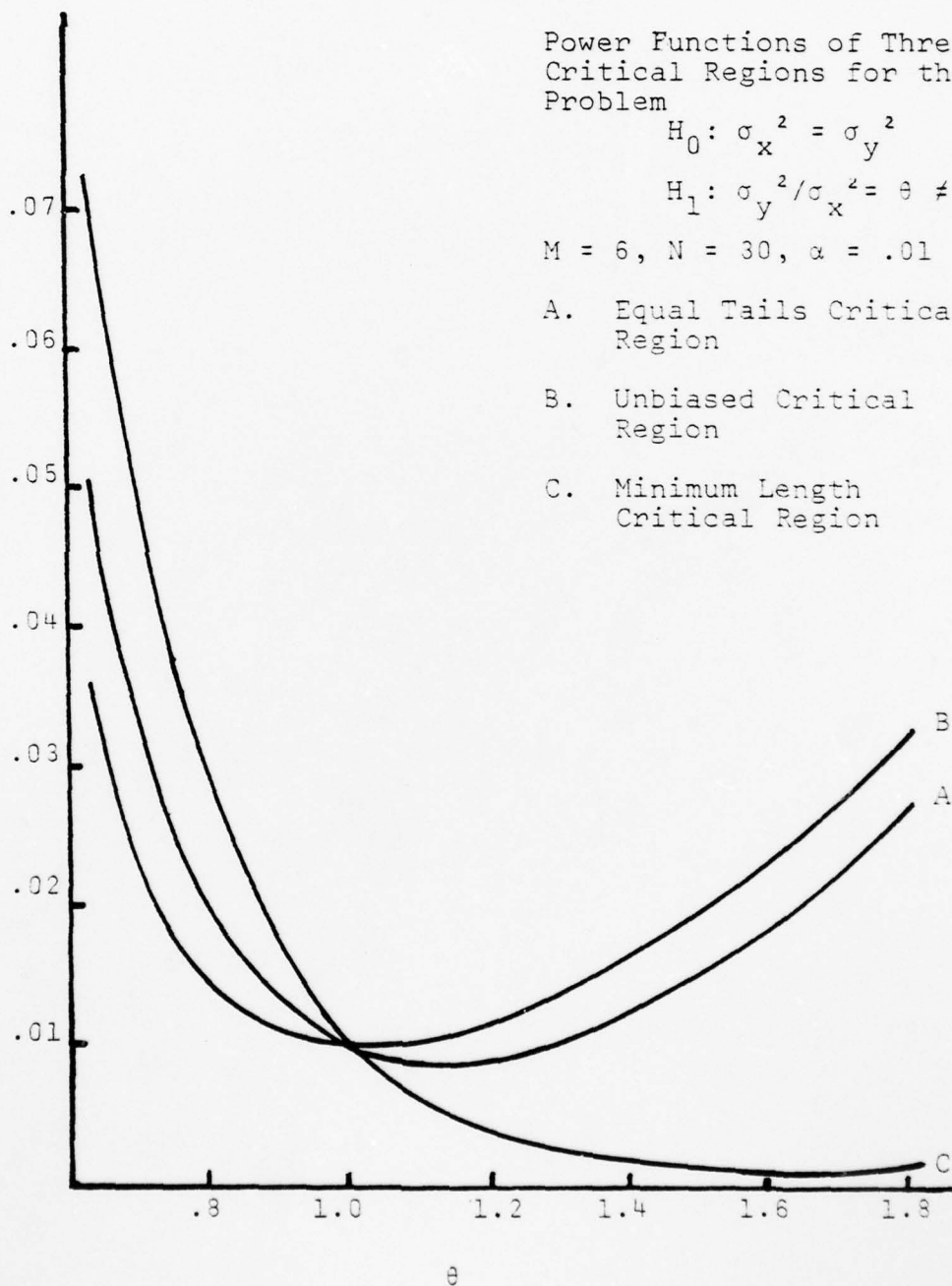
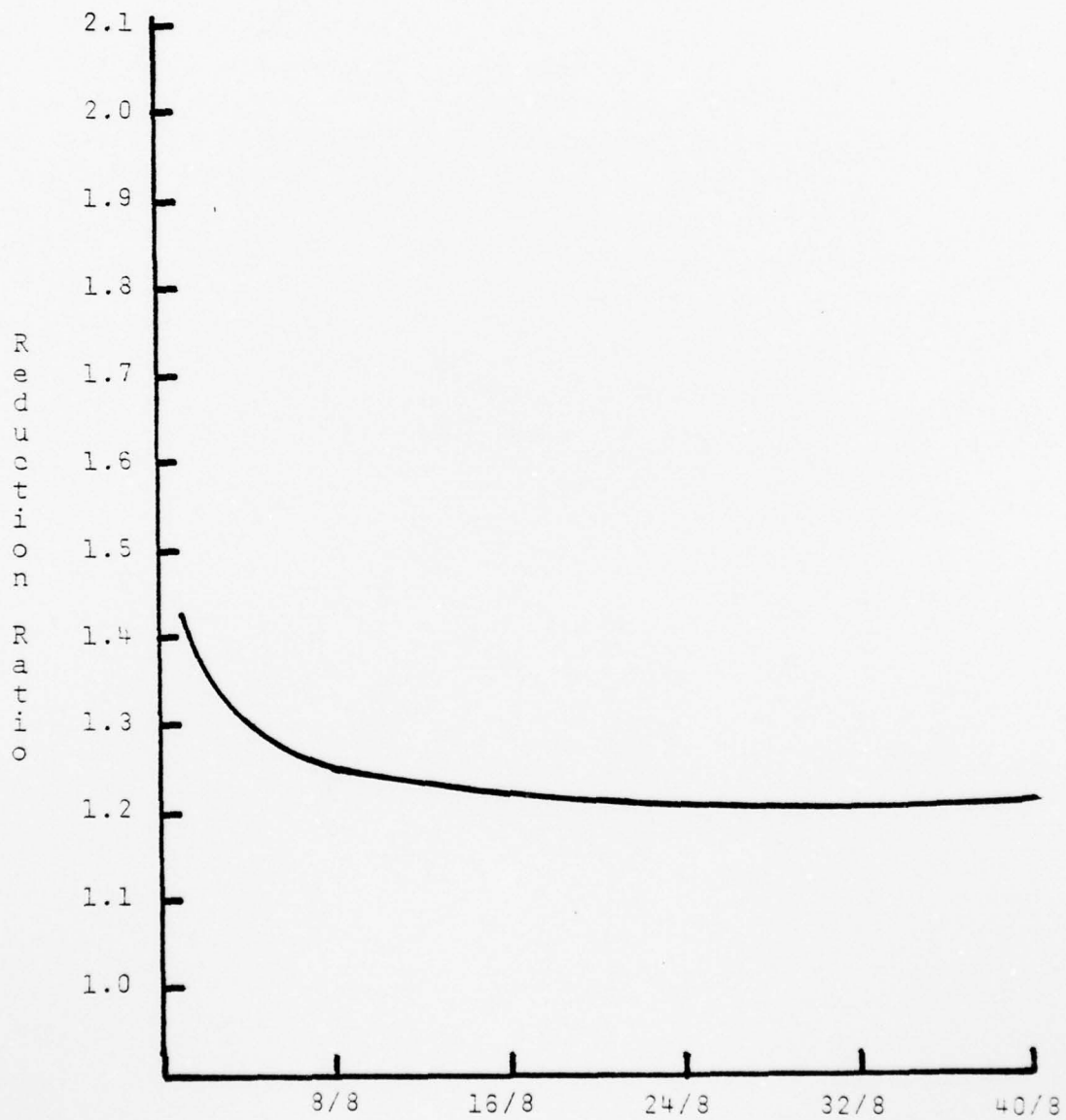


Figure 1

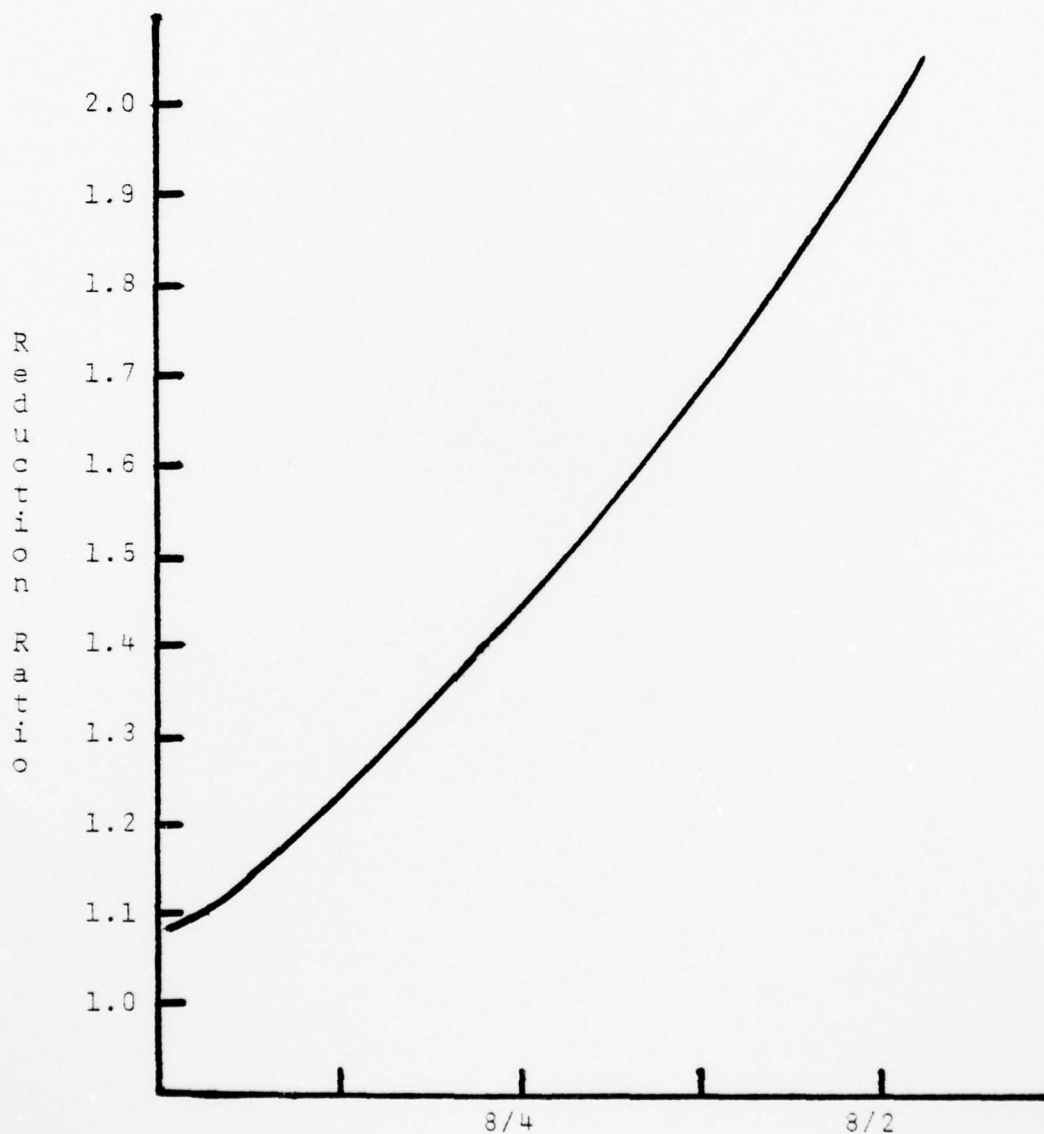
Reduction Ratio Resulting from
Use of Minimum Length Interval
for the Ratio of Variances in
Lieu of Equal Tail Interval



Ratio of Degrees of Freedom (M/N); N Fixed at 8; $\alpha = .05$

Figure 2

Reduction Ratio Resulting from
Use of Minimum Length Interval
for the Ratio of Variances in
Lieu of Equal Tail Interval



Ratio of Degrees of Freedom (M/N); M Fixed at 8; $\alpha = .05$

Figure 3

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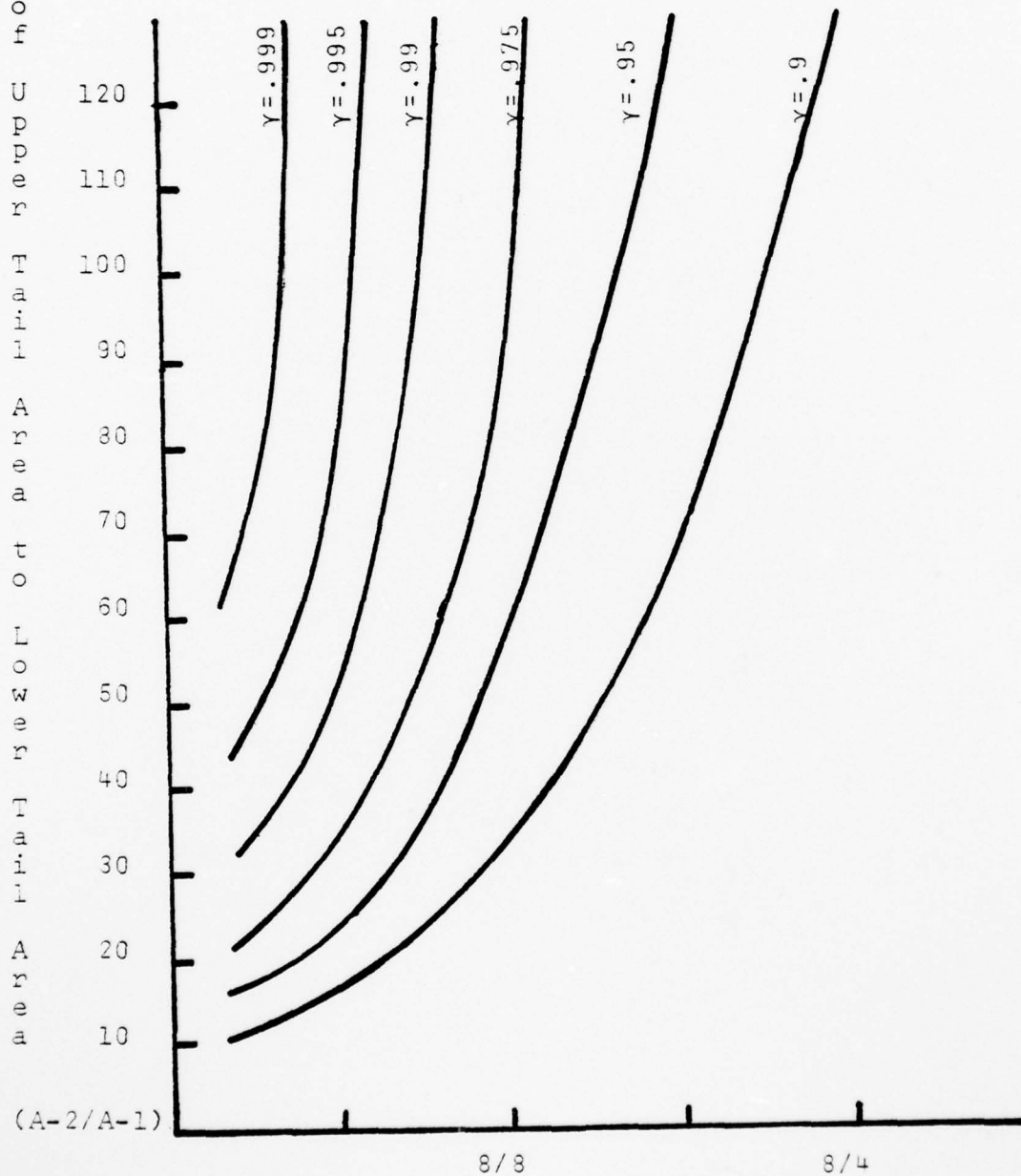
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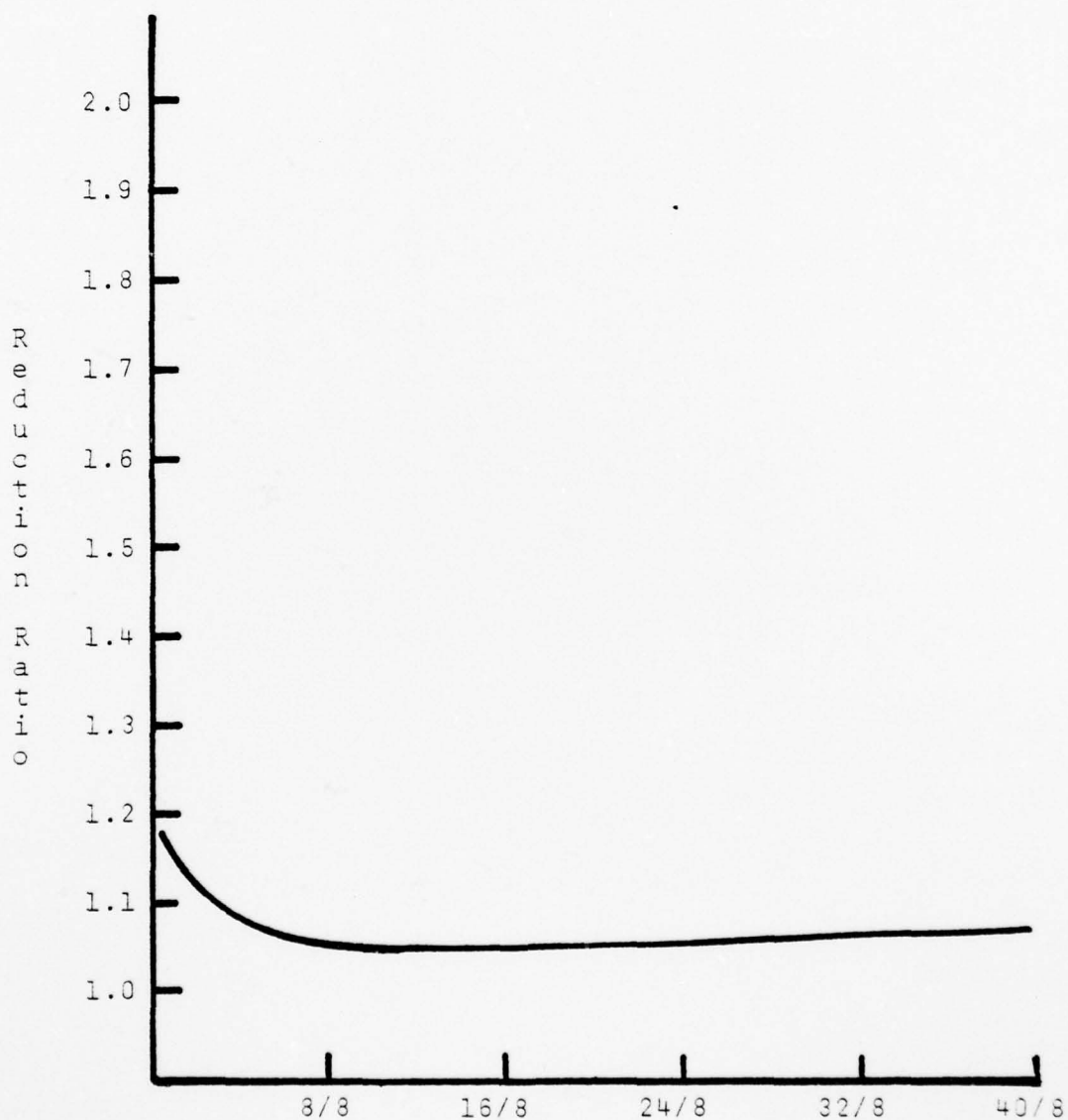
Optimal Distribution of Tail
Area for the Minimum Length
Confidence Interval for the
Ratio of Two Variances



Ratio of Degrees of Freedom (M/N); M Fixed at 8

Figure 4

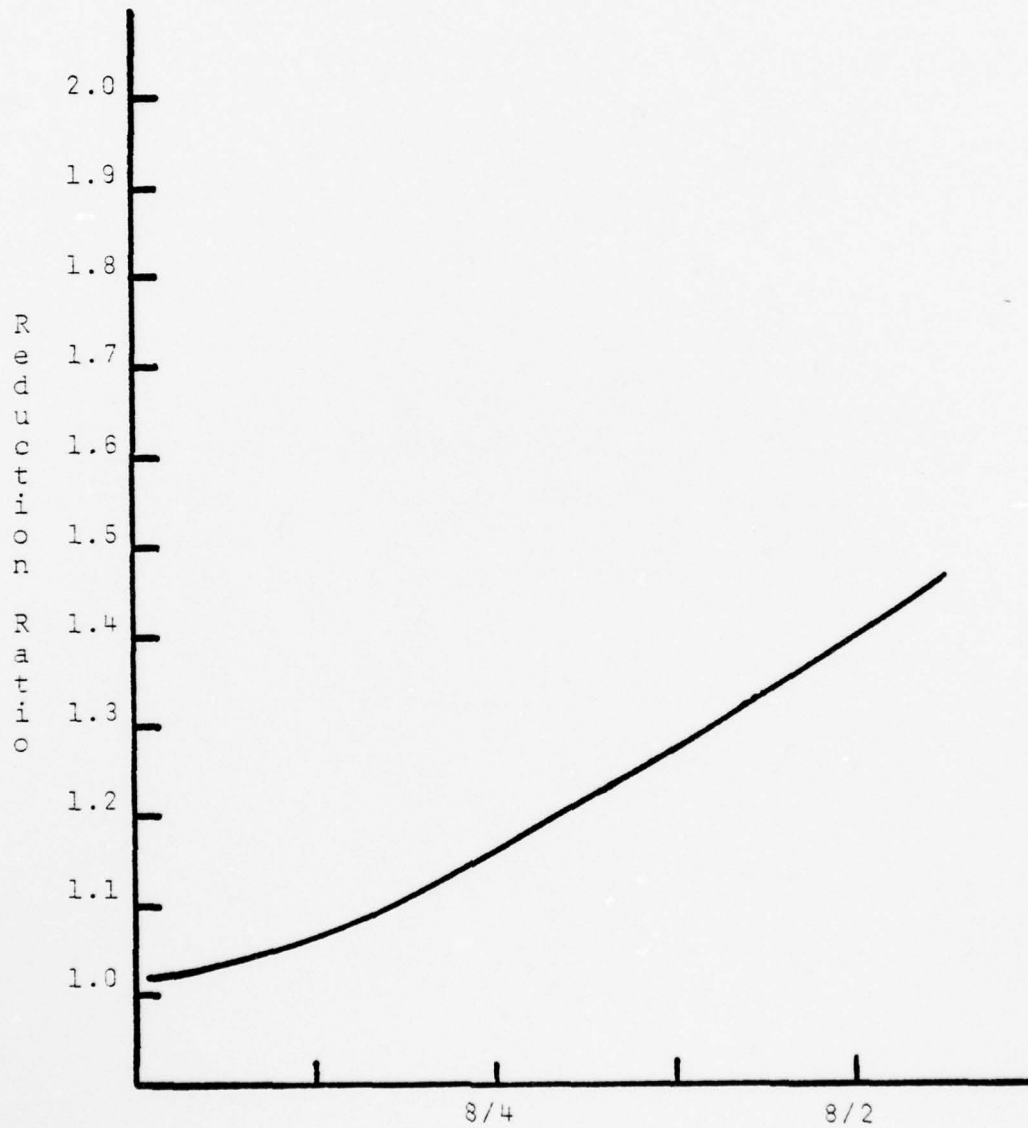
Reduction Ratio Resulting from
Use of Minimum Length Interval
for the Ratio of Standard
Deviations in Lieu of Equal
Tail Interval



Ratio of Degrees of Freedom (M/N); N Fixed at 8; $\alpha = .05$

Figure 5

Reduction Ratio Resulting from
Use of Minimum Length Interval
for Ratio of Standard Deviations
in Lieu of Equal Tails



Ratio of Degrees of Freedom (M/N); M Fixed at 8; $\alpha = .05$

Figure 6

Optimal Distribution of Tail
Area for the Ratio of Two
Standard Deviations

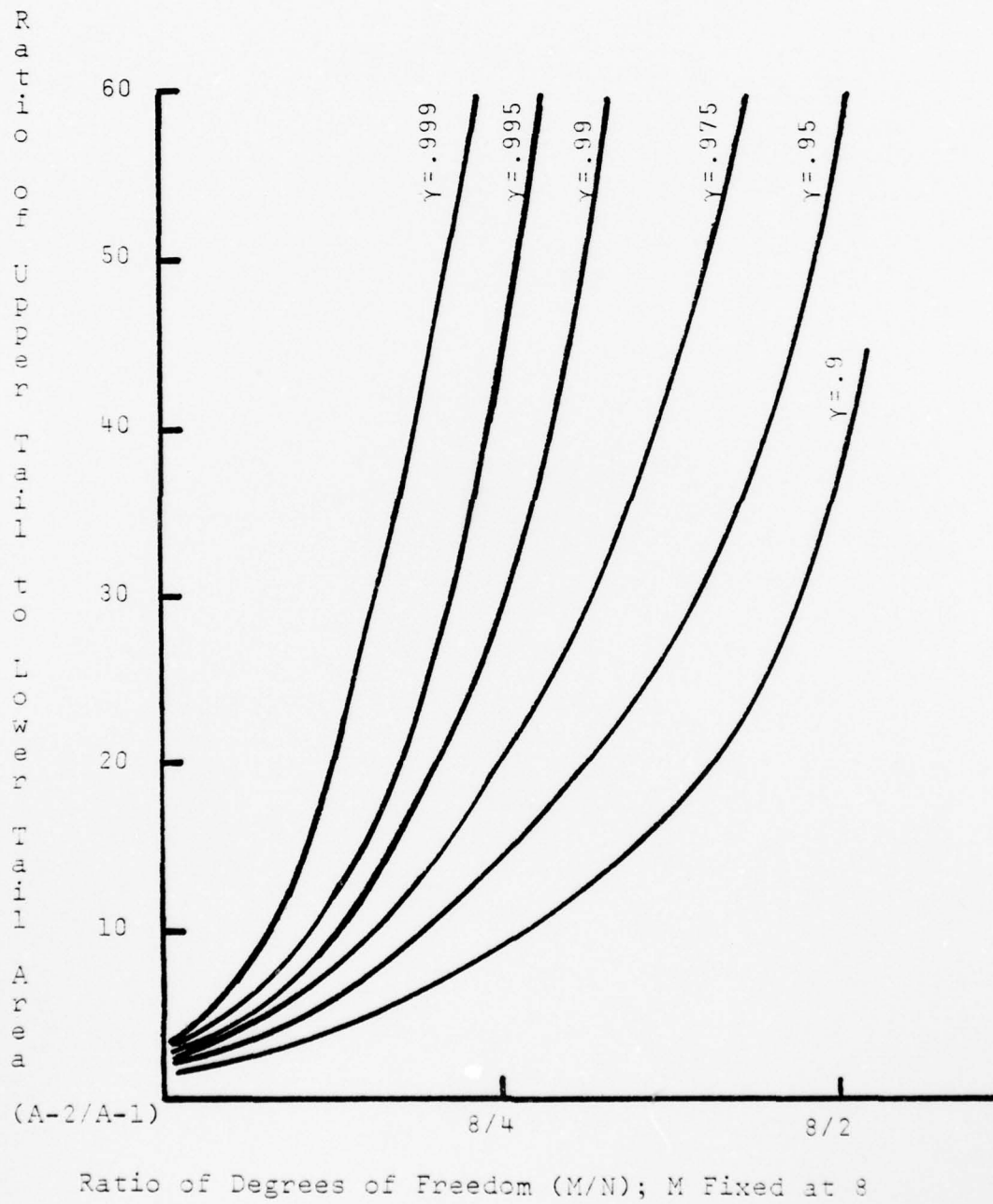


Figure 7

APPENDIX C

MATHEMATICAL DERIVATIONS

This thesis solved three parameterizations of the same non-linear programming problem. They were

$$(1) \phi_1 = C2 - C1$$

$$\text{Subject to: } \int_{C1}^{C2} h_{M,N}(x) dx = \gamma$$

$$(2) \phi_2 = \sqrt{C2} - \sqrt{C1}$$

$$\text{Subject to: } \int_{C1}^{C2} h_{M,N}(x) dx = \gamma$$

$$(3) \phi_3 = \log \left[\frac{C2}{C1} \right]$$

$$\text{Subject to: } \int_{C1}^{C2} h_{M,N}(x) dx = \gamma$$

After some study, it was found that each of these problems was unimodal and continuous over the range of a single, arbitrary decision variable, $C1$. Because of these properties, the problems could have been solved by either the golden section search scheme or the bisection search method. The published values in Appendix A were obtained as solutions from the bisection search method.

The bisection procedure used was as follows. An interval of the decision variable was suspected of containing the optimal value. In this thesis, the suspected interval was always $(0, H_{M,N}^{-1}(1-\gamma))$. The interval being searched was then split in half (bisected), and the sign of the derivative for the objective function was evaluated there. The derivatives of the three objective functions with respect to the decision variable $C1$ were:

$$\begin{aligned} (1) \quad \frac{d\phi_1}{dC1} &= \frac{\partial \phi_1}{\partial C2} \cdot \frac{dC2}{dC1} + \frac{\partial \phi_1}{\partial C1} \cdot \frac{dC1}{dC1} \\ &= \frac{dC2}{dC1} - 1 \end{aligned}$$

$$\begin{aligned} (2) \quad \frac{d\phi_2}{dC1} &= \frac{\partial \phi_2}{\partial C2} \cdot \frac{dC2}{dC1} + \frac{\partial \phi_2}{\partial C1} \cdot \frac{dC1}{dC1} \\ &= \frac{1}{2} (C2)^{-\frac{1}{2}} \cdot \frac{dC2}{dC1} - \frac{1}{2} (C1)^{-\frac{1}{2}} \cdot 1 \end{aligned}$$

$$\begin{aligned} (3) \quad \frac{d\phi_3}{dC1} &= \frac{\partial \phi_3}{\partial C2} \cdot \frac{dC2}{dC1} + \frac{\partial \phi_3}{\partial C1} \cdot \frac{dC1}{dC1} \\ &= \frac{1}{C2} \cdot \frac{dC2}{dC1} - \frac{1}{C1} \cdot 1 \end{aligned}$$

Since $\frac{dC1}{dC1}$ is the identity, the only remaining unknown in the derivations is $\frac{dC2}{dC1}$. This was then found by applying Leibniz' Rule and the Implicit Function Theorem to the constraint equation. The result was:

$$\int_{C1}^{C2} h_{M,N}(x) dx = \int_{C1}^{C2} K \frac{(x)^{\frac{M}{2}-1}}{[N+M \cdot x]^{\frac{M+N}{2}}} dx = \gamma$$

$$\text{and } \frac{dC2}{dC1} = \left[\frac{C1}{C2} \right]^{\frac{M}{2}-1} \cdot \left[\frac{N+M \cdot C2}{N+M \cdot C1} \right]^{\frac{M+N}{2}}$$

If, upon evaluation, the value of the appropriate derivative was positive, then the midpoint was chosen as the new upper bound on the search interval. Of course, if it was negative, this point became the lower bound on the search interval. This process was continued until the length of the search interval was less than a prescribed tolerance factor. For this thesis, this factor was 10^{-8} . Once the length of the search interval was less than this, the midpoint of the interval remaining was selected as the solution to $C1$. Once the optimal value of $C1$ was fixed, the probability in the lower tail (i.e., the area under the F density curve between 0 and $C1$) was determined. Subtracting this probability from $1-\gamma$ yielded the probability in the upper tail. Substituting this value into $H_{N,M}^{-1}$ gave $\frac{1}{C2}$ which, when inverted, resulted in the published value for $C2$.

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2. Scheffé, H., "On the Ratio of the Variances of Normal Populations," Annals of Mathematics and Statistics, V.13, p. 371-388.
3. Simmons, D.M., Nonlinear Programming for Operations Research, p.147-166, Prentice Hall, 1975.

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